Classroom Soundfield from Connevans

A good soundfield system enables all students in a classroom to hear equally well, wherever they are seated and in whichever direction the teacher is facing.

Who do soundfield systems help? *Everybody!*

Teachers find they have reduced voice strain (and stress!) and students respond faster, which results in more efficient & effective lessons. Even a simple request to 'turn to page six' is responded to faster.

The soundfield benefit All students benefit in some way and those with various types of learning difficulties and minor day to day short term hearing variations (such as glue ear or even a cold) gain particular benefit.

A natural sound With the enhanced & distributed sound from a soundfield system, students feel they are being spoken to with normal voice inflection, rather than being spoken at, with a raised monotone voice.

Listening is learning Students spend up to half the school day learning by listening, and of course hearing is the key for good student achievement. Most classrooms were not built with optimum acoustics in mind – at the rear of a typical classroom only around 15% of the speech energy (the volume from the teacher) remains and by the time the sound gets to the back of the class, it is often diffused or 'echoey'.

Learning to listen A modern soundfield system will supply an even spread of sound around the room. Children are continually building their language base and do not have the same linguistic experience as adults, so they need to hear all the words clearly to help them understand. Studies show that children need about a 10dB louder speech signal than adults, which is why a Connevans soundfield system is so beneficial. Listeners are also surprised how relaxing the sound is.

There is no need to shout A classroom soundfield gives gentle amplification around the room so that, when you walk into the room, you almost don't know there is a system in use – until the soundfield is turned off!

A soundfield system...

benefits the tutor
With reduced vocal fatigue the day is less tiring, class discipline and attentiveness will improve, less repetition is required and there is generally a more relaxing teaching experience.

benefits the student
All members of the class will hear their teacher more clearly including those with temporary or permanent hearing loss. Academic performance & enjoyment of lessons has been shown to improve significantly with the introduction of a Connevans soundfield system.

Soundfield for teachers

Do you regularly have to raise your voice to be heard ???
Is your voice tired at the end of the day ???
Are the students at the back of the class disruptive ???
Would you like your students to get better results ???

A soundfield system from Connevans can help you resolve these questions, and more!

Soundfield systems enhance the sound of your voice throughout the classroom, so the students at the very back can hear clearly and concentrate fully, as well as the students at the front.

Natural voice
Soundfield systems are specifically designed to provide a nice natural sounding voice tone – they are not PA systems!

Reduce classroom noise
Many classrooms are noisy and have poor acoustics, making it difficult for students to hear your voice. If they do not hear clearly, they will find it hard to concentrate.

Reduced voice strain
Continually raising your voice in class can be stressful and can lead to vocal health issues.

Soundfield systems help you through the sound barrier

Relaxed learning
Student understanding and learning improves and classroom control is easier, creating a relaxed learning environment.

Less supply teaching
With reduced voice strain, teacher sickness time is reduced.

League tables
Improved learning will lead to improved results for both students and school.

It's easy
We come to you to show you how a soundfield system can make a big difference for you.

Soundfield is spreading
It's no surprise that more and more of the UK's educational professionals are singing the praises of soundfield. Once you use one, we know you'll see what we mean!

To discuss your soundfield requirements, simply call Connevans on 01737 247571 and our friendly and experienced staff will be delighted to help you.

Your teaching is important, you need to be heard... *clearly!*

Classroom Soundfield from Connevans, the long established expert supplier of UK-manufactured Soundfield systems to schools and colleges

We are often asked why we offer more than one classroom soundfield and how to choose between them. To give an overview:

- The **IR Swift + is our most popular Soundfield system** and we would like you to see why! We will **bring an IR Swift system to your school, set it up, show you how to use it and leave it with you to try in your own time** – at the end of the trial, just pay the invoice or if you do not see a positive difference to the learning in the classroom (unlikely!) send it back to us – simple! This single wall-mounted unit gives **excellent quality sound** suitable for most classrooms; it is easy to install and also has the **lowest price tag** when the cost of installation is considered.

Free IR Swift + sale or return trial!

- The **IR Classmate is our recommended top of the range system.** Ideal for larger classrooms or those which are more acoustically challenging. This multi-speaker solution, with a secure lockable wall unit, will give fantastic sound coverage.

Each of the above Soundfield systems are designed and manufactured in the UK by Connevans – in particular they are designed to be used with the most popular **Swift TX** teacher's microphone, the easiest to use and lightest of its type available – many teachers comment that it is so light, you will quickly forget you are wearing it!

- For classrooms where security is not an issue the shelf mounted **Azden IRR-30P** gives the same excellent sound coverage as the IR Classmate, with a lower price tag.
- The **Phonak Roger Dynamic SoundField**, is suited to schools already using Dynamic FM or Roger radio aid systems for their deaf students.

Please do contact us to talk through which system is best for you and to arrange a demonstration or a free sale or return trial. Call 01737 247571 or email soundfield@connevans.com.

Classroom Soundfield comparison chart

Features	IR Swift + *Pages 82-84*	IR Classmate *Pages 85-87*		Azden IRR-30P *Page 90*	Phonak Roger DigiMaster 5000 *Pages 95-98*
		IR Classmate +	IR Classmate		
Transmission method	infra red	infra red		infra red	Roger 2.4 GHz
Requires wiring installation	*no*	yes		yes	*no*
Numbers of wall-mounted speakers	1	4 or 6		4	1
Wall mountable	yes	yes		yes with optional wall bracket	yes
Shelf mountable	yes with optional shelf stand	*no*		yes	*no*
Remote volume control	yes	yes	*no*	*no*	yes
Aux. inputs for TV, laptop etc	1	3		2	1
Number of channels (1 per mic)	2	2		2	up to 35 mics
Channel limitations when installing multiple systems	none	none		none	none
Transmitter charging	external charger	auto-timed within cupboard		external charger	external charger
Security	optional security cable	lockable cupboard		*none*	*none*
User controls protection	*none*	within lockable cupboard		*none*	*none*
Maximum recommended room size	10m x 8m	4 speakers: 10m x 8m 6 speakers: 14m x 8m		10m x 8m	10m x 8m
Radio aid rebroadcast capability	yes	yes		yes	n/a
External sensor inputs	1	2		3	n/a
Tone control	treble and bass	treble and bass		yes	*no* – dynamic
Receiver/amplifier size	380 x 430 x 75mm	260 x 285 x 135mm		230 x 204 x 44mm	895 x 72mm
Warranty – *see p 91 for full details*	3 years	3 years		3 years	2 years

Classroom soundfield – IR Swift+

Swift to install ... simple to set up ... easy to use

The Connevans IR Swift+ soundfield system is a groundbreaking use of technology to bring superb quality sound within financial reach of every classroom.

The IR Swift is our **most popular choice**. This single wall-mounted unit gives **excellent sound quality** suitable for most classrooms; it is **easy to install** and also has the **lowest price tag** when the cost of installation is considered.

Flat panel speaker unit

The IR Swift+ has a single hyper-wide dispersion flat panel speaker unit with nxt* technology*, to create an effective soundfield from a single speaker.

Using high quality infra red wireless technology, you can have up to two microphone transmitters with each system – a main one for the teacher and a second one for student participation or a teaching assistant.

Handmic for guests and passing round

Swift TX transmitter for tutor

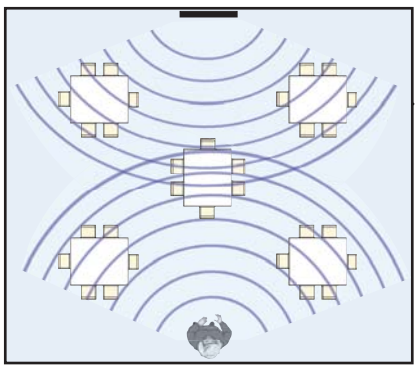
System Features:

- **Excellent speech clarity**
- **Remote Volume Control** from a Swift TX transmitter
- **Virtually no installation** – can be hung on the wall in just 5 mins; as easy as hanging a picture
- **Stylish design** – fits easily into your classroom
- **Simple to use** – only 6 controls which rarely need adjusting
- **Easy to use with your existing equipment** – includes a lead for connecting to a laptop, whiteboard or iPod
- **Manufactured and designed in the UK** optimised for European language sounds

It really is this easy!

Connect to any standard headphone socket

All IR Swift systems come with 3 year warranty as standard!



When in use the system actually has two 'speakers' – one is the IR Swift+ and the other is yourself – providing a sound source at both ends of the room.

*Trademark of New Transducers Limited
Manufactured under NXT Licence

IR Swift+ Technical

Two channel IR receiver
One stereo 3.5mm auxiliary input channel
Variable level phono auxiliary output
Output for ceiling tile speaker
Input for additional infra red sensor
Integral Kensington 'locking slot' for optional security cable
Size: 380mm x 430mm
Projection from wall: 88mm. Weight: 5.3kg
Mains powered: 100-240V ac 50-60hz 23VA

WARRANTY 3 YEARS All IR Swift, IR Classmate & IRR-30P transmitters come with 3 year warranty as standard!

Connevans Swift TX

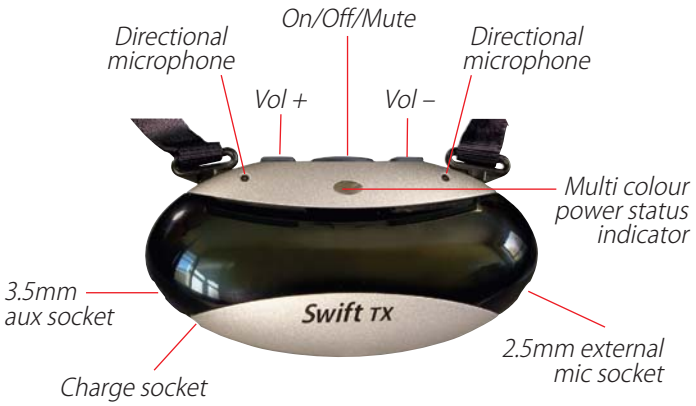
Designed by Connevans with teachers in mind, the Swift TX has been developed to have outstanding technical performance and also to be the smallest and lightest transmitter of its kind!

Our recommended choice

Natural high quality sound is vital in a classroom to ensure the best listening and learning environment for students. The Connevans Swift TX has the widest frequency response of any IR soundfield microphone transmitter available in the UK, meaning it gives the most natural sound.

Stylish looks with technical excellence!

The Swift TX transmitter looks appealing and is as light and comfortable to wear as a necklace.



Microphone Features:

- **Attractive design: light, comfortable and easy to wear** – *at just 79g including battery*
- **Digital audio transmission**
- **Very wide audio frequency response** for full vocal range
- **Superb natural sound quality** – with vocal clarity enhancer and dual directional microphones

Unrivalled technical quality

We've packed the Swift TX with innovative technology to ensure that it is 'top of the class' for quality & performance.

The Swift TX uses two separated microphones to provide a constant level of sound as the user's head is turned from side to side. These specially optimised dual directional microphones give optimum voice pickup and reduce unwanted background noise.

The audio frequency bandwidth of 120Hz to 13kHz ensures the very best sound quality and we have specially designed feedback reduction built into the microphones.

Swift TX Technical

Size: 95 x 49 x 26mm

Weight: 79g inc. battery

Power: 1 x 2700mAh NiMH rechargeable battery

Typical operating time after a full charge: 10 hrs

Intelligent battery charging system with multi colour status indicator:

- *Green = on*
- *Alternating red/green = recharge soon*
- *Red = charging*
- *Orange = charged*

Very wide audio frequency response of 120Hz to 13kHz with vocal clarity enhancer

Dynamic range >85dB when used in conjunction with IR Swift and IR Classmate receivers

Automatic sound level detection and auto power switch-off after 10 mins of low sound level

Remote Volume Control

IR+ RVC

Using a Swift TX transmitter with an IR Swift + you can adjust your Soundfield volume from anywhere in the classroom.

Once the volume is set on your IR Swift + you should rarely need to adjust it but if the class is more boisterous than usual, you can change your microphone volume with the easy press of a button – without having to go to the Soundfield unit.

IR Swift + packages

Each IR Swift + package includes:

1 x mains powered IR Swift + 2 channel speaker amplifier with wall bracket and fixings

1 x transmitter/microphone

Rechargeable battery plus tx charger

1 x 3.5mm to 3.5mm aux i/p connecting lead

Instruction sheets and laminated courtesy cards.

IR Swift + System packages:

IR Swift + with Swift TX pendant transmitter package

Our recommended choice is the Swift TX pendant transmitter. It is light and easy to wear, very simple to use and has excellent sound pickup from 2 built-in microphones. Plus it comes with Remote Volume Control feature.

It is so comfortable and effective, most teachers forget they are wearing it within a few moments of putting it on!

45SWPKF

Qty **1-9** **£ 795.00** *each*
Qty **10+** **£ 715.50** *each*

VAT 3

IR Swift + with collarworn microphone package

This microphone gives very good sound pickup as it is lifted up from the chest, towards the mouth. The beltpack can be clipped to a belt, kept in a pocket or worn with a handy hip pouch.

Includes collarworn microphone & emitter, belt pack transmitter, hip pouch

45SWKC

Qty **1-9** **£ 795.00** *each*
Qty **10+** **£ 715.50** *each*

VAT 3

IR handheld mic transmitter pack

Ideal as a second transmitter for guest use, perhaps for a visitor coming in to the classroom.

Also often used for passing around the children during 'show & tell', 'carpet time' etc, saving the teacher from repeating what a quietly spoken child has said.

Includes:
IR handheld mic transmitter, 2 x rechargeable batteries, external 13amp mains charger, mic. clip and banquet stand.

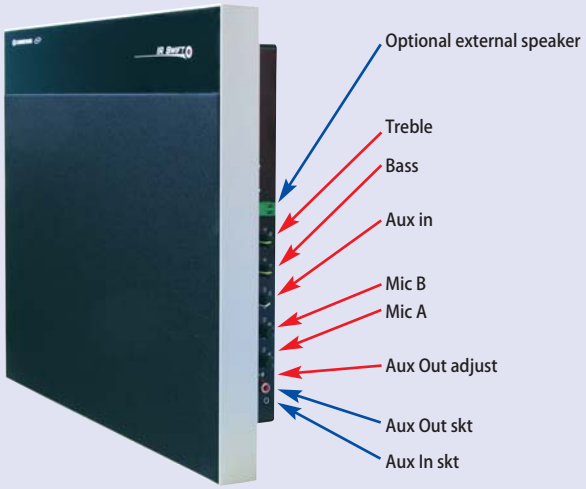
45IRTXHK

Qty **1-9** **£ 149.00** *each*
Qty **10+** **£ 134.10** *each*

VAT 3

The IR Swift+ Speaker Amplifier

There are only six controls on the IR Swift + amplifier, which, once set, should rarely need adjusting.



Remote aux i/p feed

For connection to laptop, smartboard, MP3 player, or TV etc. *Please see pages 91-93*

Secure classroom soundfield – IR Classmate

WARRANTY 3 YEARS — All IR Classmate systems come with 3 year warranty as standard!

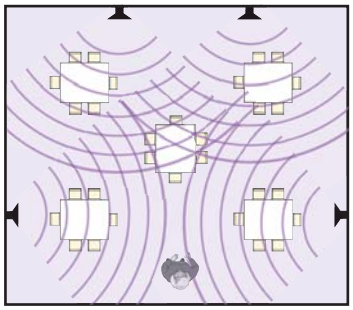
Connevans IR Classmate

The IR Classmate soundfield system is an excellent choice for school, college and university soundfield installations.

Developed by Connevans, the IR Classmate is our deluxe classroom soundfield system. The multi-speaker solution with a secure lockable wall unit gives fantastic sound coverage and quality.

*The IR Classmate is our **top of the range** system. Ideal for all classrooms and small halls, particularly good for classrooms that are more acoustically challenging.*

The whole system provides a clear and natural listening experience with a quality of sound which is the best in the market.



IR Classmate – 4 wall speakers

Key Features:

- **Superior sound quality and classroom coverage** with built-in feedback reduction
- **Secure wall mounted box** the most sensible choice for classrooms with unsupervised access
- **Speaker options for all classrooms** with either 4 or 6 wall speakers or up to 4 ceiling tile speakers, the IR Classmate can be installed in unusually shaped rooms
- **Designed with Connevans care and attention to detail** e.g. the system is automatically turned on when the cupboard is unlocked
- **Charging made easy** – transmitters can be charged inside the locked cupboard at night, stopping automatically when the batteries are full
- **Easy to use with your existing equipment** – ideal for connecting to a computer or interactive whiteboard
- **Manufactured and designed in the UK** – optimised for European language sounds
- **Remote volume control facility available with IR Classmate +** when used with Swift TX microphone

IR+RVC

An IR Classmate system in use...

Teacher wears main microphone transmitter

Optional handheld second microphone

Wall mounted speakers installed around the classroom

IR Classmate unit

Meryl Hunt and students at Auriol Junior School, Epsom, Surrey

Easily connect your existing equipment to the IR Classmate

Hearing aid user can listen with their own Radio Aid

Secure classroom soundfield – IR Classmate

Choose which type of transmitter microphone you prefer and then the number & type of speakers required.

IR Classmate packages

WARRANTY 3 YEARS

Each IR Classmate kit includes:

1 x microphone and emitter/transmitter
1 x wall mounted 2 channel IR Classmate receiver/amplifier unit
4 x or 6 x wall mounted speakers depending on choice of kit
Rechargeable battery with charge facility
1 x dome sensor with 18m cable
Speaker cable & cable clips
Instruction sheets and laminated courtesy cards.

See page 101 for installation and on-site maintenance details.

IR Classmate with Swift TX pendant microphone kit

Swift TX pendant transmitter with built in dual microphones

Swift TX microphone kit with 4 wall speakers

45IRSK4 Kit price

Qty **1-9** **£ 1158.00** *each* *Qty* **10+** **£ 1042.20** *each*

Swift TX microphone kit with 6 wall speakers

45IRSK6 Kit price

Qty **1-9** **£ 1210.00** *each* *Qty* **10+** **£ 1089.00** *each*

Swift TX microphone kit with 2 ceiling tile speakers

45IRSK2F Kit price

Qty **1-9** **£ 1382.00** *each* *Qty* **10+** **£ 1243.80** *each*

VAT 3

IR Classmate with collarworn microphone kit

IR Classmate belt pack transmitter, collarworn microphone & emitter, hip pouch

Collarworn microphone kit with 4 wall speakers

45IRCK4 Kit price

Qty **1-9** **£ 1158.00** *each*
Qty **10+** **£ 1042.20** *each*

Collarworn microphone kit with 6 wall speakers

45IRCK6 Kit price

Qty **1-9** **£ 1210.00** *each* *Qty* **10+** **£ 1089.00** *each*

Collarworn microphone kit with 2 ceiling tile speakers

45IRCK2F Kit price

Qty **1-9** **£ 1382.00** *each* *Qty* **10+** **£ 1243.80** *each*

VAT 3

Wall mounted speakers versus ceiling tile speakers

The wall mounted speakers are more efficient and have a fuller sound than ceiling tile speakers which is why we supply wall speakers as standard with IR Classmate systems. However, ceiling tile speakers provide a neat installation option for classrooms with suspended ceilings and give a more even non directional sound.

The ceiling tile speakers that Connevans supply for use with IR Classmate systems are glued on top of the existing ceiling tile.

The ceiling tile speakers are 8 Ohms.

Ceiling tiles must not have insulation, cables etc. placed on or above them. Ceiling tile speakers give very good speech reproduction and are aesthetically unobtrusive as there is nothing to be seen.

Ceiling tile speaker glued above existing ceiling tile

IR Classmate Technical

Two channel IR receiver
Two stereo summing phono auxiliary input channels (labelled "Multimedia" and "TV/CD/Tape")
External 6.3mm jack microphone/aux input with low/high gain switch
Twin line level phono auxiliary outputs
Inputs for two infra red sensors
Treble and bass tone controls
Twin press fit speaker outputs, internally connected for simple daisy chaining of speakers
Can drive up to 12 wall speakers or 4 ceiling tile speakers
Max output power 40 Watts into 2.6 ohms
Key lockable wall mounted secure cabinet with internal storage for transmitters + accessories
Combined lock/power switch for simple operation and security
Internal automatic transmitter charging socket – mains power switched off when charging complete
Zero power use when cabinet is locked & optional charging is finished
Size: 280mm x 260mm
Projection from wall: 145mm. Weight: 4.85kg
Mains powered: 220-240V ac 50-60Hz 50VA

Connevans innovation – Remote Volume Control (RVC) of IR Classmate + units

Using a Swift TX with an IR Classmate + receiver amplifier you can remotely adjust your soundfield volume.
Pressing the '+' or '–' buttons on the Swift TX sends a digital control signal to the IR Classmate + receiver/amplifier to change the volume – a really useful facility if the class is more boisterous than usual!

IR Classmate + package

IR + RVC

WARRANTY 3 YEARS

The IR Classmate + kit includes:

1 x Swift TX microphone transmitter
1 x wall mounted 2 channel IR Classmate + receiver/amplifier unit
4 x or 6 x wall mounted speakers depending on choice of kit
1 x rechargeable battery with charge facility
1 x dome sensor with 18m cable
Speaker cable & cable clips
Instruction sheets and laminated courtesy cards.

See page 101 for installation and on-site maintenance details.

IR Classmate + with Swift TX pendant microphone kit

Swift TX pendant transmitter with built in dual microphones

IR + RVC

Swift TX microphone & IR Classmate + kit with 4 wall speakers
45IRPSK4 Kit price *Qty* **1-9** **£ 1178.00** *each* *Qty* **10+** **£ 1060.20** *each*

Swift TX microphone & IR Classmate + kit with 6 wall speakers
45IRPSK6 Kit price *Qty* **1-9** **£ 1230.00** *each* *Qty* **10+** **£ 1107.00** *each*

Swift TX microphone & IR Classmate + kit with 2 ceiling tile speakers
45IRPSK2F Kit price *Qty* **1-9** **£ 1402.00** *each* *Qty* **10+** **£ 1261.80** *each*

VAT 3

Inputs & controls The IR Classmate has a 2 channel IR receiver for receiving two separate infra red transmitters simultaneously – typically a Swift TX for the teacher and a handheld for class participation. There are also 2 stereo inputs for multimedia, TV, CD etc. plus 1 input for a wired microphone, giving 5 inputs in total each with their own volume control. There are both treble & bass tone controls.

IR + RVC

Remote volume control Swift TX transmitters can remotely control their channel volume when used with IR Classmate + units

Outputs Twin auxiliary output. Users of personal fm radio systems can rebroadcast the classroom sound directly to their own receiver by connecting their own transmitter to an aux o/p. The benefit is that the personal fm user then hears the overall mixed sound including the class input & multimedia etc. – please see rebroadcast connection packs on page 91.

External mic socket *(mono 6.35mm)*

I/P aux 1-2 & 3-4: stereo pair inputs for connection to multimedia/TV/CD/Tape etc.

O/P aux 5 & 6: audio outputs to external equipment such as a tape recorder or a personal fm transmitter for re-broadcasting of the mixed sound

4 speaker connections: wired internally for the connection of 2 pairs of cables

The countdown to a successful new classroom soundfield system

There is much that can be done in preparation for a new soundfield system before we arrive at the school.

Your very first decision, apart from choosing Connevans as your preferred supplier (!), is which member of staff is to be your **soundfield co-ordinator**. Experience has shown us that the school co-ordinator makes a big difference to the success of a soundfield installation and also to the use of the systems afterwards – this is the person who will become your internal expert, staff trainer and front line troubleshooter. As with all school activities, success will be matched with the commitment of the volunteer!

Next, you need to decide which classrooms are going to have a soundfield system. **Understanding how rooms are used** is important, so discussions with class teachers are necessary. We've found this is best done by **somebody who has an overview of the day-to-day running of the school**, such a head of department or the school soundfield co-ordinator. Think about things such as 'Does the class routinely use **AV or interactive whiteboards**?' If yes, then a connection to TV or computer will need to be provided. 'Do any of the children use **Radio Aids**?' – if yes a soundfield rebroadcast connection pack will be required. '**Is a second microphone transmitter needed?'** e.g. for a co-teacher or perhaps if group class discussions are common – in which case a handheld microphone to encourage **student participation** should be specified.

Once you have decided on the classrooms, it is worth tracking down a copy of the school **floor plan** from the school office and marking up the **current layouts for the rooms**. The main teaching area and whiteboard position, student desk layouts and available **mains power socket locations** are good things to know, as well as the height of the ceiling.

Digital pictures are really helpful to us. Clear and in focus is good – artistic quality is optional! The pictures are used to help us check for potential problems and to ensure that the system we're quoting for is going to suit the classroom.

Windows are much less of a problem with infra red systems than you would imagine, however glass panels between classrooms can be an issue, as are adjacent open plan classrooms, so please note any internal windows or movable partitions on your plan.

Our Soundfield Team

Connevans are keen to discuss, visit, demonstrate and advise on the choice of soundfield equipment – please call our friendly and experienced team on 01737 247571.

As you can see from this page, the more preparation that can be done before we arrive, the further forward we can take you during a visit.

From experience we know that the more information we have, the more certain you can be of getting the right equipment. To make it easier, a detailed questionnaire can be downloaded from our website – **www.SchoolSoundfield.co.uk**

Connevans are committed to providing a high quality level of service from initial enquiry through to after sales support and **it is important to us that you get the right equipment** for your individual school, situation and purpose.

From initial enquiry through to after sales support our team will be here to help you

Phil Boswell, Robert Manwaring, Richard Vaughan, Angie Martin and John Popplestone

Case Study: Auriol Junior School, Epsom, Surrey

Auriol Junior School provides mainstream primary education for 390 pupils at KS2 – Years 3-6. Hearing impaired children are integrated across the year groups alongside a number of pupils who have other special needs including language and communication disorders, attention deficit disorders (e.g. ADHD) and behavioural difficulties.

Soundfield systems were installed in the school hall, the ICT Suite and three classrooms in September 2006; they have proved so successful that Auriol has now installed Soundfield systems throughout the school.

All the hearing impaired children wear hearing aids or cochlear processors supported by fmGenie radio aid systems, which work in conjunction with Soundfield systems to provide the best listening experience and quality of sound for the student.

The children at Auriol like their soundfield system and enjoy their lessons more when it is in use. Fae and Mae, twins, age 10 who both wear cochlear implant processors with fmGenies, said, "I can hear better as the teacher's voice is louder and can concentrate better without the distraction of other noises around" and "If the Soundfield system is on and I have my radio aid on, I can hear the teacher above all the noise."

Meryl Hunt – Inclusion Manager and Teacher in Charge of Hearing Support – has a 70% hearing loss and thinks Soundfield is great! She said "I used to strain my voice on the days when I taught in classrooms without a Soundfield system. Now that all our classrooms have Soundfield installed I never have to raise my voice to be heard, even by pupils sitting at the back. Soundfield is really valuable when the class is involved in group discussions. If I want to attract one child's attention I just have to say their name and I have their attention immediately. If all the children are engrossed in their own activities I speak through the Soundfield, get an immediate response and can engage the whole class again.

My ideal world would be Soundfield systems in all classrooms, in all schools and all teachers enthusiastically using them."

Student Participation: Year 6 pupils, including Mae, responding enthusiastically during a lesson using the IR Classmate.

Case Study: Alburgh with Denton VC Primary School, Norfolk

Patricia Fincham

Patricia Fincham reveals the benefits felt in a small rural school with the introduction of a Soundfield system.

"I teach in a Reception class of 14 pupils, in a small rural Norfolk school. In September last year one of my pupils was a little boy who was profoundly deaf and had bilateral cochlear implants. His Teacher of the Deaf suggested that we should have a Soundfield system installed in the classroom.

The initial worry was the cost, although as his teacher I kept my head down and left it to the headteacher to organise! The decision was made that it would be in the child's best interests to install a Soundfield system in his classroom, and, in deference to the cost, this would be a type which would easily be dismantled and reinstalled in his new classroom each year.

The Connevans Swift Soundfield system was given to the school and paid for by the Schools Access Initiative – the government fund which enables schools to comply with the Disability Discrimination Act.

Upon installation – which took about an hour before school started, so was hardly disruptive – I was issued with a mobile microphone and head-mounted microphone. The children took great delight in using the mobile microphone and, once they got over the novelty of being allowed to use a 'real' microphone 'like a pop star', they settled to using it very well. They now find that when we have an open questioning time in class, they can speak as quietly as they like, but still be heard. This has increased the confidence of the child who does not particularly enjoy talking out loud and enabled all children to remain focused.

My head-mounted microphone was not as successful as I had hoped and after discussion with Connevans I was issued with a pendant microphone. This is much better and despite being a rather mobile teacher, as most Reception teachers are, I am now heard by everyone all of the time. The effect this has had on my teaching has been very noticeable. When trying to attract the attention of an individual child over the hubbub of 14 other children, it is so pleasant to be able simply to call their name in a normal voice and have them hear and respond. So often, when working with young children, a raised voice can be alarming to them, but with the Soundfield system, my voice can stay light and reassuring.

The school has been lucky enough to have parents who have been keen to raise further money to enable us to fit an additional Soundfield system in the hall. This has become invaluable during assemblies, lunchtimes and even PE lessons, and it is used when others have the hall for various functions, so the whole community benefits.

This September I start with a new group of children, and no longer have the advantage of the Soundfield system in my classroom, as it moves with the child – I have a feeling that only now will I begin to realise fully the benefit I have had over the past year by having one!"

Alburgh with Denton VC Primary School

Classroom soundfield – Azden IRR-30P

All IRR-30P systems come with 3 year warranty as standard!

Azden IRR-30P: the efficient and economical soundfield solution

Connevans is pleased to include in our range the IRR-30P soundfield system from Azden, recognised worldwide as manufacturers of advanced audio technology.

Based around the IRR-30P two-channel powered amplifier, the system is a straightforward and affordable option for those who are looking for a fixed classroom soundfield system but do not require the security and advanced design features of the Connevans IR Classmate.

It combines the flexibility and interference-free operation of infra-red technology with essential practical features, such as a twin-channel receiver and two auxiliary audio inputs for connection to interactive whiteboards, computers, CD or MP3 players, etc.

Although the IRR-30P has a built in IR sensor in the front panel a ceiling mounted sensor is still required for general room coverage. There is also an audio output connection, to allow rebroadcasting via a radio aid transmitter for deaf students who use a personal fm radio aid system.

Please note that a suitable shelf is required.

IRR-30P kits

Each IRR-30P kit includes:

1 x microphone and emitter/transmitter
1 x IRR-30P receiver/amplifier unit
4 x wall mounted speakers (or 2 x ceiling tile speakers)
Rechargeable batteries with transmitter charger
1 x dome sensor with 18m cable & connectors
Speaker cable & cable clips
Instruction sheets and laminated courtesy cards.

See page 101 for installation and on-site maintenance details.

IRR-30P with Swift TX microphone kit

Swift TX pendant transmitter with built in dual microphones

VAT 3

Swift TX microphone kit with 4 wall speakers

4530SK4 Kit price
Qty 1-9 £ 710.00 *each*
Qty 10+ £ 639.00 *each*

IRR-30P with collarworn microphone kit

Beltpack transmitter, collarworn microphone & emitter, hip pouch

VAT 3

Collarworn microphone kit with 4 wall speakers

4530CK4 Kit price
Qty 1-9 £ 710.00 *each*
Qty 10+ £ 639.00 *each*

IRR-30P with pendant mic/emitter kit

IR Classmate pendant transmitter with built in microphone

VAT 3

Pendant microphone kit with 4 wall speakers

4530PK4 Kit price
Qty 1-9 £ 595.00 *each*
Qty 10+ £ 535.50 *each*

Wall bracket for Azden 30/30P

For use with Azden IRR-30 & IRR30P receivers .

Arm swivels and tilts up and down. Swivel & tilt can be locked in one simple operation. The bracket clamps the unit firmly at the sides and is suitable for brick/wood partitioned walls.

Finished in black. Weight: 1.5Kg.

4530BKT £ 19.50 *each* VAT

Ceiling tile speakers also available

See page 86 for more details.

IR handheld mic transmitter pack

To provide a second microphone facility for class participation.

IR handheld mic transmitter, 2 x batteries, external 13amp mains charger, mic. clip and banquet stand.

45IRTXHK
Qty 1-9 £ 149.00 *each*
Qty 10+ £ 134.10 *each*

Swift TX pendant transmitter

With 1 x AA 2700mAh NiMH exposed end rechargeable battery & neckstrap

45IRTXPE2
Qty 1-9 £ 219.55 *each*
Qty 10+ £ 197.60 *each*

Swift TX replacement neckstrap

With clasp. *Note – a paperclip is required when changing the neckstrap on a Swift TX.*

45IRTXSTRAP £ 9.75 *each*

Swift TX neckstrap replacement clip

Plastic fastener only

45IRTXSCLIP £ 1.00 *each*

IR Classmate pendant transmitter

Includes 2 x AA 2700mAh NiMH rechargeable batteries & neck harness.

45IRTXPES
Qty 1-9 £ 114.95 *each*
Qty 10+ £ 103.46 *each*

IR Classmate pendant or hand mic charge lead

For use with IR Classmate.
1.3mm DC – 2.1mm DC

X0IR00 £ 3.00 *each*

Mains charger

For Swift TX or beltpack transmitter

with 1.3 x 3.5mm plug

45IRTXCHG2
Qty 1-9 £ 16.83 *each*
Qty 10+ £ 15.15 *each*

For IR Classmate pendant or handheld transmitter

with 2.1 x 5.5 mm plug

45IRTXHCHG2
Qty 1-9 £ 16.83 *each*
Qty 10+ £ 15.15 *each*

IR handheld microphone transmitter

Includes 2 x AA 2800mAh NiMH rechargeable batteries

45IRTXHA *Qty* 1-9 £ 139.00 *each*
Qty 10+ £ 125.10 *each*

IRG-10 collar microphone and emitter

with removable lead.

45IRMCW2 *Qty* 1-9 £ 103.50 *each*
Qty 10+ £ 93.15 *each*

IRE-10 lavalier microphone and emitter

with removable lead.

45IRML *Qty* 1-9 £ 71.50 *each*
Qty 10+ £ 64.35 *each*

Beltpack transmitter for IR Classmate/IR Swift

c/w 2 x AA 2700mAh NiMH rechargeable batteries

45IRTXBP *Qty* 1-9 £ 116.05 *each*
Qty 10+ £ 104.45 *each*

IR Classmate replacement mic lead

Length: 900mm

45IRMLEAD £ 21.45 *each*

Beltpack or Swift TX charge lead

For use with IR Classmate.
1.3mm DC – 1.3mm DC

X0DIV00 £ 3.00 *each*

IR beltpack hip pouch

Convenient to use pouch, with adjustable strap.

45IRTXHIP £ 12.00 *each*

Radio aid rebroadcast soundfield connection pack

For hearing aid users with radio aid systems.
Includes phono to jack plug lead & wall hook.

With 2.5mm plug & attenuation for connection to:
Connevans fmGenie, Phonak SmartLink & SmartLink+, ZoomLink & ZoomLink+ or EasyLink & EasyLink+.
45SIBKFMGB £ 18.00 *each*

Low noise/hum version for IR Classmate CI users
45SIBKFMGC £ 21.98 *each*

With 3.5mm plug & unattenuated lead for connection to:
Phonak inspiro
45SIBKINS £ 6.50 *each*

Classroom Soundfield spares – general

VAT

Connecting leads for external sound sources

Swift TX pendant transmitter aux i/p

3.5mm stereo lead
3.5mm stereo jack to jack – for use with a computer or MP3 player etc. *Length: 950mm*
MXA117A £ 0.86 *each*

Phono pair lead
phono pair to 3.5mm stereo – for use with a TV. *Length: 1.10m*
MXA121B £ 0.78 *each*

IR Classmate pendant transmitter aux i/p

3.5mm stereo attenuated lead
3.5mm stereo to 3.5mm mono – for use with a computer or MP3 player etc.
Length: 950mm
XIRTXPE1A £ 10.55 *each*

Phono pair attenuated lead
phono pair to 3.5mm mono – for use with a TV. *Length: 1.10m*
XIRTXPE1B £ 10.55 *each*

Three Year warranty
Terms & Conditions

WARRANTY 3 YEARS

Connevans offer a three (3) year warranty from date of purchase for Infra Red Soundfield Systems. The warranty covers malfunction due to defect in materials and workmanship. These warranty conditions are in addition to Connevans standard terms & conditions and are in addition to your statutory rights which remain unaffected.

This warranty includes the main IR Swift, IR Classmate or IRR-30P Soundfield unit, speakers, microphone transmitters and chargers. Installation, where applicable, is also covered.

Warranty does not cover use of incorrect batteries, cosmetic appearance or failure due to misuse, abuse or failing to follow the manufacturer's instructions. Repairs performed by someone other than Connevans staff will void this warranty. For chargeable repairs, an official purchase order (for credit account customers) or payment in advance will be required before the equipment is returned.

This warranty does not include site visits. Equipment should be returned to Connevans for inspection and repair or replacement. The cost of return is the responsibility of the customer. Connevans naturally accept no responsibility for loss of or damage to a customer's parcel until it has been safely received at our factory. Customers are advised to return equipment adequately packed and covered by appropriate insurance. Packing material is available for purchase if required.

The IR Swift must be returned in the original custom packaging. Returning an IR Swift in any other packaging will void this warranty. If you have not kept the original packaging, replacements can be purchased from Connevans.

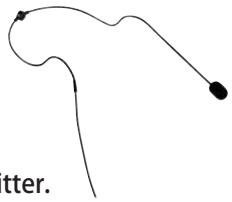
When returning equipment under this 3 year warranty a completed Soundfield Returns Form must be included. Copies available from **www.connevans.info/returns**.

We reserve the right to make a charge for processing and returning equipment which is found not to be faulty upon inspection.

Featherweight headworn microphone

Exceptionally light and comfortable to wear.

For fitting and hygiene reasons, we advise each user to have their own headworn mic.
Thickness of frame: 2.5mm. Weight: 12g.



For use with IR Classmate pendant transmitter.
Electret mic with 3.5mm plug,
2238M £ 46.50 *each*

For use with Swift TX pendant transmitter.
Electret mic with 2.5mm plug,
FMG2450 £ 62.51 *each*

High capacity rechargeable AA batteries

NiMH 2800 mAh

Normal end:
MBRAAHX4
£5.94 *pack of 4*

Exposed end:
MBRAAHX1E
£ 4.00 *each*

IR handheld transmitters and IR Classmate pendant transmitters have 2 batteries and require one rechargeable battery to have an 'exposed end' for in situ charging. Swift TX transmitters require a single 'exposed end' battery. See user guide.

Additional IR sensors

IR wall sensor

IR Classmate IRD-30 wall sensor including bracket.
45IRSW
£ 55.05 *each*

IR ceiling dome sensor

IR Classmate IRD-60 dome sensor including mounting box.
45IRSDZ
£ 99.90 *each*

IR Classmate sensor wiring pack

c/w 18m cable, 2 plugs & 2 plug cover boots.
XRG6IRC £ 13.90 *each*

Connevans soundfield AV audio lead pack

A pack of leads for connecting most audio equipment to a classroom soundfield system.

Includes: phono to SCART inline adaptor, 5 metre phono plug to plug lead, 5 metre stereo 3.5mm to 2 x phono plug, 3.5mm stereo doubler & 6.35mm stereo to 3.5mm stereo adaptor.
45SIBPK1 £ 9.75 *each*

Don't just take our word for it...

This is what some of our customers have said about their new equipment and the difference it has made!

Thanks
I would like to say a BIG thank you for bringing all the equipment and showing me how to set it all up. Thank you. I took one of the Soundfields in to a school and set it up in the classrooms and the teacher was amazed!! All the staff were popping in and they all wanted one.
Hayley – Teacher of the Deaf

We want more
All our Soundfield are up and running and really helping the whole of the class which is great. I am hoping that we will be able to purchase more towards the end of this academic year.
Sarah, SENCO
St. Andrews Primary

Support
I just wanted to say a very BIG thank you for all your help. You have been incredibly patient and clear and the whole process has been stress free thanks to your support.
Kath, Specialist Advisory Teacher of the Deaf

Training
Many thanks for the training, you do a good job: informative, clear and to-the-point. If only all training were so!
Stephen, ICT Technician, Stephen Hawking School

IR Swift – spares & accessories

Optional shelf stand

A freestanding shelf stand can be used with the IR Swift.

45SWSHELF
Qty 1-9 £ 28.50 *each*
Qty 10+ £ 25.65 *each*
VAT

Screwdriver

Magnetised long blade Philips No.2 x 200mm screwdriver for wall mount bracket security screws.
45SWPHIL £ 3.00 *each*
VAT

Security cable

VAT
with key lock
MX501141
£ 2.73 *each*

Alternative VESA mounting brackets

VAT

Single arm

MX129351
£ 17.85 *each*

Non flush mounting

MX129350
£ 12.92 *each*

Jointed arm

MX129352
£ 22.05 *each*

Wall mounting bracket

Wall mounting bracket as supplied with IR Swift.
MX129309
Qty 1-4 £ 5.50 *each*

IR Classmate USB transmitter for IR Classmate, IRR-30P & IR Swift

This neat IR transmitter pack allows you to wirelessly connect your laptop sound into your Connevans IR sound system. The pack includes both a USB powered IR transmitter and the required 3.5mm audio lead.

Designed to connect to a laptop stereo headphones socket this unit can actually be connected to any 3.5mm headphone output.

When not used with a laptop, USB power supplies are available from Connevans, please visit www.connevans.co.uk and search for "usb power supplies" or see page 151.

45IRTXUSB1 £ 125.00 *each*
VAT 3

Wireless connection to external sound sources – IR Swift, IR Classmate & IRR-30P

Connection of external audio to an IR soundfield – using a Wirefree IR transmitter

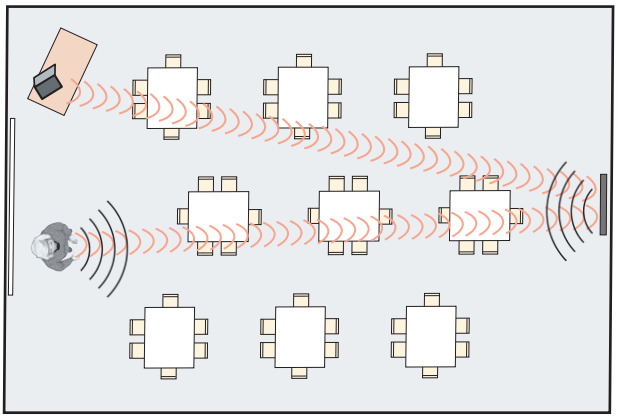
A pendant transmitter may also be used as a 'remote transmitter' in situations where it is not convenient to make a wired connection from an external AV source to the IR Swift receiver/amplifier. This is especially useful because an IR Swift unit is normally at the opposite end of the room to the teacher.

External audio equipment such as TV, multimedia etc. can be connected into either an IR Classmate pendant or Swift TX transmitter. The IR Classmate pendant requires an attenuated adaptor lead (**XIRTXPE1A** or **XIRTXPE1B**) and is connected into the 'MIC' socket. The Swift TX has a specific 'Aux i/p' socket and any standard 3.5mm stereo lead can be used.

The pendant transmitter should then be placed so that the emitter (on the front) is not obstructed and is facing towards the IR Swift.

Two transmitters can be used at the same time with an IR Swift, IR Classmate or IRR-30P. The AV link pack below can be used at the same time as the usual class transmitter

IR Classmate USB pendant transmitter pack connected to laptop computer audio



Connection of external audio to an IR Swift – with wiring to the aux i/p

A wired connection between your external audio source and your IR Swift system is technically the preferred option.

Usually with an IR Swift the audio source (Laptop, TV, MP3 player etc.) will be at the front of the classroom with the teacher, whilst the IR Swift is sited at the back. We offer three wiring connection packs all with an in-line isolating transformer.

Packs A & B are pre-wired whereas pack C requires the use of a soldering iron and somebody to use it. The other difference between the packs is the lead length – remember to allow for following a safe wiring route. The in-line isolator is included to eliminate the risk of hum and power supply noise common from laptop computers.

NB: If you need to cover a distance greater than 25m (82 feet) please contact Customer Services because it might be that the IR Swift is not the most suitable soundfield system for your classroom.

Pack of connecting leads

Includes in-line isolating transformer, phono leads and adaptors & user information sheet. Provides connections to computer headphone socket and TV SCART socket.

Pack A – approx. 15m
45SIBKCONA **£ 41.75** *each*

Pack B – approx. 25m
45SIBKCONB **£ 44.75** *each*

VAT

Installers Kit

– for making up your own leads on-site. Useful for awkward cable runs or for a more discreet installation.

Includes in-line isolating transformer, 100m drum screened audio lead and adaptors. Provides connections to computer headphone socket and TV SCART socket.
N.B some soldering required.

45SIBKCONC **£ 60.51** *each*

VAT

We have a large range of audio connection leads!

If you're looking for an audio connecting lead for use with your soundfield system (or any other device), we have a fantastic collection of audio leads, plugs, adaptors and connectors of all shapes and sizes.

See pages 224-227 or look online at www.DeafEquipment.co.uk

PHONAK life is on

Roger Dynamic SoundField

Ideal for schools already using Phonak's inspiro radio aids

The Phonak system uses unique Dynamic Sound technology, automatically adjusting to enhance comprehension, even in noisy situations.

A particular strength of the Roger Dynamic SoundField system is the easy integration with **Radio Aid systems**, especially the Phonak Dynamic FM & Roger Ear Level Receivers, which help hearing impaired students integrate into the mainstream classroom environment.

At its core, the Dynamic SoundField system comprises the DigiMaster Premium loudspeaker unit and Phonak's Roger inspiro teacher transmitter.

Up to 34 additional transmitters (either Roger inspiro or Roger DynaMic passaround mics) can also be used alongside the first inspiro to widen the discussion, while the DigiMaster loudspeaker can be positioned on its sturdy floor stand or wall-mounted.

roger

WARRANTY 2 YEARS

Features:

- **'Line source' loudspeaker unit** – Phonak's multi-loudspeaker 'array' offers high directionality. It covers a large area with a clean, high-quality signal, using just one per class, to help students comfortably hear speech wherever they are sitting.
- **Fully automated settings** – Roger Dynamic SoundField continually monitors and automatically adjusts its frequency settings and volume levels. By measuring the room's actual noise level and optimising its own settings, Roger Dynamic SoundField provides optimal Signal to Noise Ratios (SNRs).
- **Dual radio aid compatibility: Roger + FM** – Phonak's Roger inspiro transmitter can be used to broadcast in Roger SoundField mode (also suitable for hearing impaired students with Roger receivers), FM mode (for hearing impaired students with traditional FM receivers), or a combined Roger SoundField + FM mode.
- **Intelligent frequency hopping** – An ingenious new way of automatically hopping frequencies eliminates interference issues. Classrooms do not need to be allocated a specific channel, pairing is easy, and there is usually no limit to the number of Roger Dynamic SoundField systems that can be installed in one school building.
- **Reassuringly future-proof** – Both the Roger inspiro transmitter and the loudspeaker unit feature USB connectors, through which firmware updates can be downloaded via an internet-connected PC. This ensures users benefit from new features as soon as they are released.

Showing unique 12-loudspeaker 'array' inside the DigiMaster 5000

The DigiMaster multi-speaker array emits cylindrical sound waves at the most important speech frequencies, ensuring that the required sounds are carried effectively across a large area, while generating very little speech-hindering 'late reverberation' or echo.

Contact our Soundfield Team today on **soundfield@connevans.com** to arrange a **visit and demonstration** at your school.

Roger Dynamic SoundField from Phonak

For schools who are not already using Phonak radio aid equipment, the easiest way of purchasing a Dynamic SoundField is in one of the pre-paired bundles below.

roger

Roger DigiMaster 5000 & Roger inspiro Premium bundle

WARRANTY 2 YEARS

Delivered pre-paired, ready to use straight out of the box!

Suitable for use in classrooms up to 100m² and virtually installation free.

Each bundle includes:

1 x **Roger DigiMaster 5000 loudspeaker unit*** supplied with 1 x wall mount & fixings, 1 x power adaptor & 1 x UK power cable, 1 x tool kit, 1 x 3m USB cable & user instructions.

1 x **Roger inspiro transmitter** supplied with iLapel microphone, lavalier neck cord, detachable belt clip, audio input 3.5mm cable, user instructions, presentation case, USB programming cable & power supply.

Phonak part No. 052-0489

Bundle price **3PSFSYSD5** £ POA *each* VAT 2

* Please note: as per Phonak's standard terms of sale, the DigiMaster 5000 is a non-creditable item. It is supplied with a 2 year manufacturer's warranty, however it must be returned for repair in its original packaging (with associated inspiro) – so please don't throw packaging away! Spare packaging is available for purchase – please contact Customer Services.

Phonak Roger DynaMic passaround microphone

Adding a passaround microphone to a DigiMaster 5000 or 7000 bundle allows all the students in the class to join in the discussion.

Includes: 1 x DynaMic transmitter, 3 x coloured marking rings, 1 x UK mains charger, 1 x USB lead, 1 x sturdy desk stand & clip.

Phonak part No. 052-3173-871

3PINSDMICP £ *POA*

VAT 2

Roger inspiro AudioHub

The AudioHub allows one or two audio sources to be connected wirelessly to any system using a Roger inspiro.

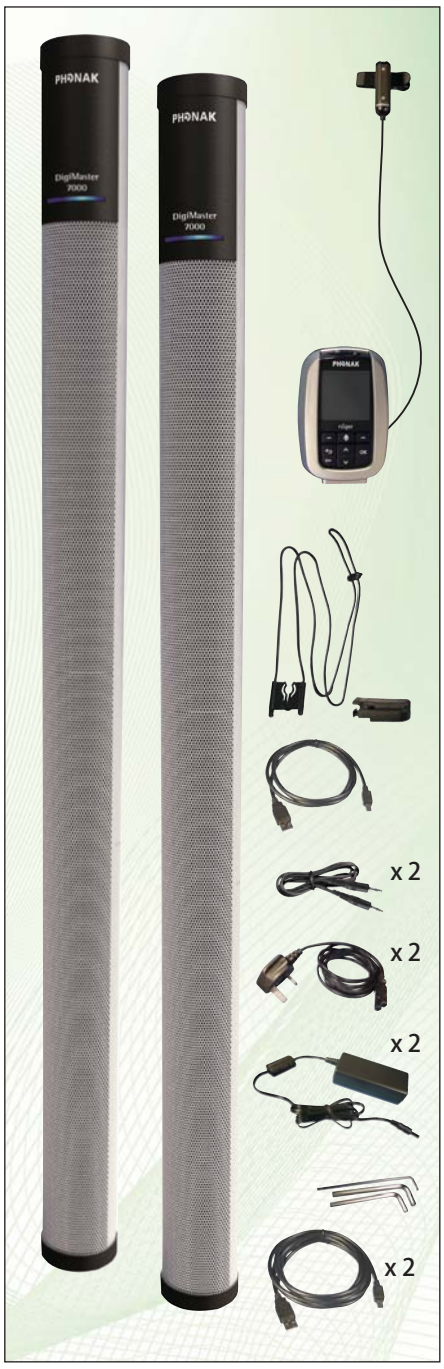
Working as a transmitter in a Phonak MultiTalker Network, the inspiro audioHub can connect to any two multimedia devices with an audio out jack – such as interactive whiteboards, televisions, radios, computers and MP3 players.

It also has a built in charger for an inspiro transmitter.

Phonak part No. 052-3178

3PINSHUB £ POA *each* VAT 2

Important Note: DynaMic microphones & inspiro AudioHubs only operate with an inspiro in a MultiTalker Network. They cannot be used as standalone transmitters.



Roger DigiMaster 7000 & Roger inspiro Premium bundle

A pair of DigiMaster 7000 speaker units can cover a larger area than a DigiMaster 5000. Delivered pre-paired, ready to use straight out of the box.

Suitable for use in larger rooms up to 300m² and virtually installation free.

It is recommended that both DigiMaster 7000 speakers are placed at the front of a square-shaped room. If using the system in a large rectangular room, one speaker goes at the front while the second speaker is placed half-way down one side of the room.

Each bundle includes:

2 x **Roger DigiMaster 7000 loudspeaker units***
each supplied with 1 x wall mount & fixings, 1 x power adaptor & 1 x UK power cable, 1 x tool kit, 1 x 3m USB cable & user instructions.

1 x **Roger inspiro transmitter** supplied with iLapel microphone, lavalier neck cord, detachable belt clip, audio input 3.5mm cable, user instructions, presentation case, USB programming cable & power supply.

Phonak part No. 052-0643

Bundle price **3PSFSYSD7** £ POA *each* VAT 2

* Please note: as per Phonak's standard terms of sale, the DigiMaster 7000 is a non-creditable item. It is supplied with a 2 year manufacturer's warranty, however it must be returned for repair in its original packaging (with associated inspiro) – so please don't throw packaging away! Spare packaging is available for purchase – please contact Customer Services.

Roger DigiMaster X

The Phonak Roger DigiMaster X receiver, together with a Roger inspiro transmitter, is designed as a simple, easy to use upgrade for a room amplification system which has no wireless microphone.

Many community halls and places of worship have sound systems with fixed microphones. Adding a DigiMaster X to the existing amplifier and speaker system allows up to 35 Roger inspiro and Roger DynaMic digital radio microphones to be used.

The DigiMaster X provides good sound performance with hassle-free integration and operation using Phonak's Dynamic Soundfield technology fully automated settings.

Phonak part No. 052-3180

3PSFDMX £ POA *each* VAT 2

For full product information on any of these systems, please visit our dedicated website www.SchoolSoundfield.co.uk

DigiMaster 5000 & 7000 accessories/spares

VAT

Power adaptor
Spare/replacement UK 240v mains power adaptor for Phonak DigiMaster 5000 & 7000.

UK mains power cable not included – purchased separately.

Phonak part No. 052-3141

3PSFXDMPSU2
£ 30.00 *each*

Power cable for power adaptor
Spare/replacement power cable for Phonak DigiMaster 5000 & 7000 SoundField systems.

Phonak part No. 052-3097

3PSFXDMPSU1 **£ 10.00** *each*

MiniUSB programming cable – 3m
Longer length to allow easy connection to a computer for software upgrades.

Phonak part No. 076-0853

3PSFXUSB **£ 5.00** *each*

Wall mount kit
Spare/replacement wall mount for use with the Phonak DigiMaster 5000 & 7000 SoundField systems

Phonak part No. 052-3428

3PSFXDMWM
£ 16.00 *each*

Tool kit
For use when installing a DigiMaster 5000 or 7000.

Phonak part No. 052-3008

3PSFXDMTK **£ 16.00** *each*

Floorstand
Optional floorstand for DigiMaster 5000 & 7000.

Phonak part No. 052-3144

3PSFXDMST **£ 40.00** *each*

inspiro accessories/spares

VAT

Charger
for charging one inspiro.

Phonak part No. 052-3402

3PINSPSU **£ 10.00** *each*

MiniUSB programming cable – 1m
Allows connection to a computer for charging and use with firmware updates.

Phonak part No. 043-3027

3PINSUSB **£ 5.00** *each*

Aux/TV i/p lead
To allow connection to the TV, interactive whiteboards etc

3.5mm stereo plug/plug 1.2m

MXA117A **£ 2.26** *each*

iLapel microphone
for inspiro

Directional iLapel microphone with tie clip for use with inspiro transmitters

3PINSILAP
£ 60.00 *each*

Replacement alligator clip
for iLapel microphones

3PINSILC **£ 0.95** *each*

inspiro Charging Dock
for charging one inspiro. Slot your inspiro onto this desktop device for simple charging.

Phonak part No. 052-3250

3PINSDOCK **£ 20.00** *each*

Lavalier neck harness
With secure attachment plate.

Phonak part No. 004-3179-001

3PINSLAV **£ 10.00** *each*

Belt clip
Robust, secure and easy to use.

Phonak part No. 004-3178-001

3PINSBELTC **£ 4.00** *each*

Interested in a Phonak system?

Then call **John on 01737 247571** for more information or to arrange a **visit and demonstration**

I'm not very technical, is a soundfield system complicated to operate?

Not at all. In fact, once the controls have been set initially, they rarely need further adjustment.

I don't want to feel like I'm talking into a PA system – will I hear myself?

No, don't worry. A soundfield system is designed for low level sound reinforcement. If you can hear your own voice loudly from the soundfield, then the volume is set too loud.

Will having a soundfield system in the room distract the class?

Quite the contrary – it is far more distracting for children to have to strain to hear the teacher. The equipment itself is very unobtrusive and the sound distribution is designed to give a natural spread of sound around the room, helping the students to focus their attention on the teacher.

Do I have to pass my microphone around the class for questions?

All our classroom soundfield systems have the option to add a second microphone and we strongly advise the addition of a handheld microphone to encourage student participation.

I'm looking for a system for my classroom but I don't know whether a Roger Dynamic soundfield would be better than an Infra Red soundfield– what's the difference?

Essentially it makes no difference. Generally Dynamic SoundField is particularly popular in schools where Phonak personal radio aid systems and Roger inspiro transmitters are already being used, while infra-red systems offer the broadest choice of transmitters, microphones and single or multiple speaker options.

The **Phonak SoundField** system uses a radio signal to send the teacher's voice from the transmitter to the main speaker unit. It is digitally coded so you can use many different systems in the same school. As with Phonak personal radio aids, it is 'Dynamic' meaning that the soundfield system automatically adjusts itself in response to the level of background noise in the room.

Infra Red systems use a non-visible light to send audio signals (in a similar way to a TV remote control!). This light cannot travel through walls so there are no limitations on the number of systems on a site.

The choice is yours and please do talk to us if you need help making your decision.

Does sunlight stop an IR soundfield working?

An infra red soundfield uses modulated infra red signals to transmit the teacher's voice. The infra red 'carrier' can carry a number of channels, which means two transmitters on our systems. The detectors have 'black' optical filters which means that sunlight does not normally cause problems. Having said that, it is important that IR sensors are kept away from direct sunlight but as they are normally installed at ceiling height this would rarely be a problem.

If sunlight does not stop an IR soundfield working, why can windows sometimes cause a problem?

IR soundfield systems work well in a room with typical windows – only a whole wall of glass windows might cause a problem. As windows are glass, most of the infra red signal passes through and only a few percent is reflected back into the room. However, in that situation, there are usually blinds which will reflect the IR transmitter signal. Infra red travels in straight lines and a central sensor picks up the signal from the transmitter by reflected signals when the teacher faces away from it.

What can we do if there is a large area of glass?

An additional sensor can be fitted on a wall to pick up the IR signal when the teacher faces that direction.

The drama studio has very dark walls and curtain partitions, will this cause a problem for an IR soundfield?

The dark surfaces absorb the IR signal just like they absorb visible light so we would advise fitting a system using radio microphones in that room. It is often more appropriate in a drama studio to fit a SYS10 system with multiple microphones and other inputs. Please contact customer services to discuss your requirements.

I have heard that plasma TVs can cause interference with infra-red sound systems, is this correct?

Yes, plasma TV's emit a modulated infra-red signal which causes an audible interference with all infra-red soundfield systems. Conventional LED or LCD TVs do not cause a problem. Plasma TVs are fine with our UHF hall sound systems.

Classroom soundfield FAQs

I've heard that there are limitations with channels with using fm soundfield systems – does this mean that you could only have a few Phonak systems in a school?

In most situations you won't find any limitations on the number of Roger Dynamic SoundField systems you can install. However, there are limits if you are using them in conjunction with personal fm (MLxi) receivers.

Some of my students use Phonak ZoomLink+ and MLxi Dynamic FM systems – can I use these with the Phonak Dynamic SoundField?

Yes, you set the MLxi receivers to the fm channel of the Roger inspiro used with the SoundField system and listen directly to the inspiro fm instead of the ZoomLink+. *Note – you would require the Roger inspiro to have FM turned on.*

I've got students in my class that use non-Phonak radio aid systems (such as the fmGenie) – can these be used with the Phonak SoundField?

Possibly. You can use any fm Radio Aid receiver on the same frequency used by the Roger inspiro SF+FM transmitter, however some users may hear a buzzing noise. As rebroadcasting is not possible with the Phonak SoundField, if you experience problems or want to ensure full compatibility, we recommend purchasing a system such as the IR Swift or IR Classmate.

Can I use a SmartLink+ or ZoomLink+ transmitter with the Phonak Roger SoundField in a MultiTalker Network rather than a DynaMic?

No, the MultiTalker Network and the Dynamic Soundfield system only works with Roger inspiro and Roger DynaMic transmitters.

Can I update the software for the Phonak SoundField and inspiro transmitter in the same way as you can when using the inspiro as a radio aid only?

Yes, you simply connect the DigiMaster SoundField unit to your computer using the supplied USB lead.

I'm worried that one Phonak DigiMaster 5000 speaker won't be enough to cover the whole of my classroom. Can you add in another speaker?

No, the Phonak DigiMaster 5000 only uses one speaker unit per system. If you have a particularly large or unusually shaped classroom a Phonak DigiMaster 7000 would be more appropriate. This is a more powerful system and comes with two speakers which can be placed around the room to ensure good sound coverage.

If you have a question which is not covered by these FAQs please phone our Soundfield Priority Helpline on 01737 339200.

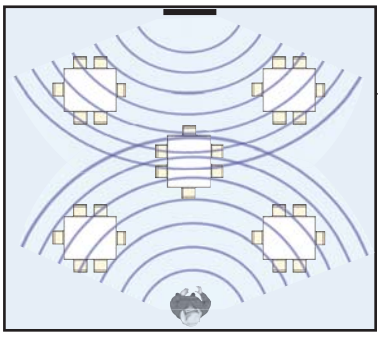
Positioning of single speaker systems verses multi-speaker systems

Generally, an IR Swift is ideally suited to classrooms where the teacher is primarily based at one end of the room – the IR Swift is mounted at the opposite end, approximately 1.5m off the ground, thereby creating an effective soundfield from one speaker. Phonak recommend their SoundField is best situated in one corner at the front of the classroom with the wall bracket mounted 1.4m from the ground.

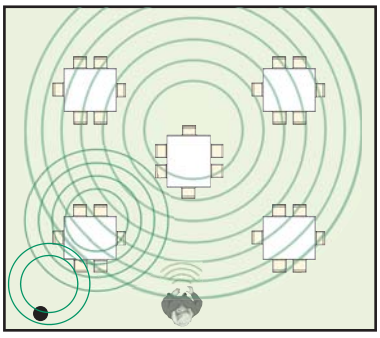
A single speaker system is a very effective, good value solution, however a multi-speaker system such as the IR Classmate is more appropriate for some situations, such as large or unusually shaped classrooms.

Multi-Speaker Systems: room size versus number of speakers

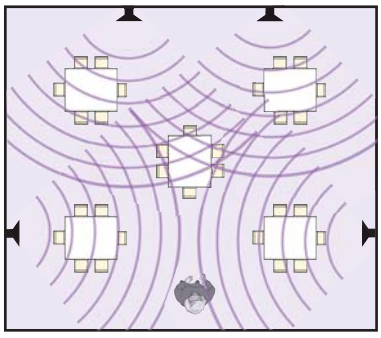
For an IR Classmate, as a rough rule of thumb, four speakers are suitable for a classroom up to 10 x 8 metres. Six speakers would provide coverage up to 14 x 8 metres or where the classroom is not an unobstructed rectangle.



IR Swift – single wall speaker



Phonak DigiMaster 5000 – single speaker



IR Classmate – 4 wall speakers

For the ongoing smooth day to day running of your soundfield systems, it is important that a member of school staff is designated to provide first line support and internal training. We advise that this person is available and involved during the installation process to familiarise themselves with the equipment and experience how the system works.

Connevans offer free soundfield support training courses at our Surrey headquarters. On site training visits after installation, which are normally chargeable, can also be arranged.

Installation

Installing a classroom soundfield system is a very simple process. Installing during holidays is preferable, with clear site access required from 8am to 6pm with power available. We are happy to install during term time but the rooms would not be available for teaching on that day. Connevans offer an installation service at £450 for two classrooms in England and Wales. Please ask us to quote for installations in other areas.

Soundfield system demonstration and training is free during the installation. We ask to have your soundfield support person 'on site' during installation to allow any issues to be easily resolved and sign off the installation once complete.

Telephone support

Connevans legendary telephone support is available free of charge during office hours to Connevans customers. If you would like help, please call our Customer Services team on 01737 247571 who will be very happy to help.

Warranty & on site maintenance

Our experience is that the majority of issues are as a result of faulty accessories, such as leads and batteries, or simply 'operator error' which can usually be solved easily by the designated soundfield support person. There is a 'return to supplier' warranty for the soundfield system equipment – see page 92. As the warranty is on a 'return to supplier' basis, site visits during this period are chargeable. In the event of a problem simply return the faulty item to Connevans for repair or replacement.

Annual on site maintenance is available at an extra charge – customers with a Soundfield Maintenance Contract receive a 50% discount on non routine service visits, see below.

Two further maintenance approaches

If you have a good school audio visual service then we advise you extend their remit to include the soundfield systems. We at Connevans are happy to work with your local technicians and offer training courses for them. Integrating everything into one complete service has obvious advantages for you.

For those with no AV support, Connevans offer routine annual maintenance contracts, usually scheduled during holiday periods to allow easy access to rooms. Connevans are able to tailor contracts to the number of installed systems and specific customer requirements. As a price guide, contracts are based on a day rate including travel time, of £375 plus cost of parts, travel and subsistence.

No maintenance contract is a substitute for good self fault finding. It would be a great pity to pay for a service visit only to find the volume has been turned down or a battery is flat!

Portable PA systems

DDA

Connevans SoundRanger portable PA systems

Portable wireless amplifiers with built-in radio microphone receivers. Ideal outdoor sound reinforcement solution and great indoors where a fixed installation is not appropriate.

Excellent sound quality for a fantastic price!

Fully portable

In school these units can be moved from class to class for the benefit of both teachers and pupils.

All-in-one solution

These portable products offer an excellent quality, cost effective and flexible sound reinforcement solution. They include built-in radio microphone systems, with the receiver, pre-amplifier, power amplifier and speakers all in one unit – which means no connecting cables.

Although they are sophisticated internally, SoundRanger systems require no user experience to operate.

There are 2 sizes of battery powered system: the **SoundRanger Micro** for classrooms and the larger **Compact4** range for school halls or outdoor use – great for sports day!

SoundRanger Micro – suitable for a classroom or audiences of up to 50 people

The Micro can be used on a speaker stand or just placed on a handy shelf. They are small and light with a built-in battery making them fully portable.

SoundRanger Compact4 – suitable for a school hall or audiences of up to 300 people

The Compact4 has the same excellent sound quality of the Micro...but with more power and more facilities.

The Compact4 includes a range of different models, giving you the option to expand the system by adding a second unit or a second microphone.

Microphone options include handheld, headworn and collarworn – *see page 104*

Also available, the more powerful mains only Compact2M for audiences up to 500.

For a school, college or academy we can offer a SoundRanger system for a free trial

Simply send us your official Purchase Order (clearly marked Free Trial Offer) by post, fax or email to soundranger@connevans.com – let us know which package you'd like to try and we'll send it out to you!

Free trial for schools, colleges and universities

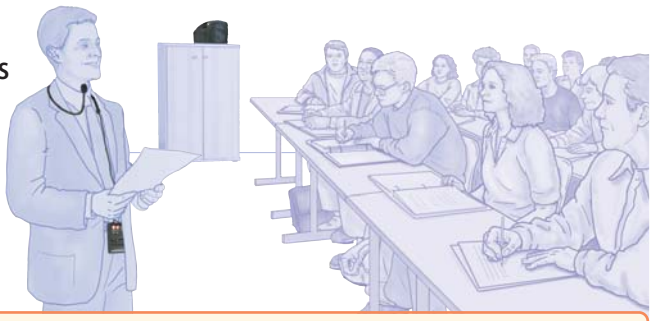
At the end of the trial period you can either keep the system, and pay for it, or return it to us – but as it's so easy to use and sounds so great, we are sure you will want to keep it.

For full details about this offer, **call Customer Services** or email **soundranger@connevans.com**

Micro SoundRanger Systems

Suitable for a classroom or audiences of up to 100, indoors or out. The Micro receiver amplifier can be used on a speaker stand or just placed on a handy shelf. Compatible with Connevans radio aid systems when rebroadcasting using the appropriate transmitter connection kit.

20 watt Micro system with rechargeable battery or mains powered.



Micro VHF SoundRanger kit with carry case

AUDIENCE up to 50

Provides amplified sound for one presenter from one speaker.

A neat and convenient kit.

Includes: Micro VHF receiver amplifier,
1 collarworn microphone,
1 VHF transmitter belt pack &
10 x PP3 alkaline batteries for transmitter,
1 fabric carrying case.

40SFXKM3 **£ 264.02** *each*

VAT

Micro VHF classroom

AUDIENCE up to 100

Provides balanced amplified sound for one presenter from two speakers.

Includes: 2 Micro VHF receiver amplifiers on the same channel,
1 collarworn microphone,
1 VHF transmitter belt pack &
10 x PP3 alkaline batteries for transmitter.

40SFXKM2 **£ 343.52** *each*

VAT

Compact4 VHF SoundRanger Systems

Portable VHF sound reinforcement systems powerful enough for a small school hall or audiences of up to 300 people indoors or out.
These systems have the same excellent sound quality as the Micro... it's just that they have more power and more facilities.

Compact4 or 2M wireless rechargeable or mains powered.

Compact4 VHF

AUDIENCE up to 150

Provides amplified sound for one presenter from one speaker.

Includes: Compact4 VHF receiver amplifier with rechargeable battery,
1 collarworn microphone,
1 VHF transmitter belt pack
& 10 x PP3 alkaline batteries.

40SFXK21 **£ 575.52** *each*

VAT

Compact4 VHF hall

AUDIENCE up to 300

Provides amplified sound for two presenters from two speakers.

Includes:
2 x Compact4 VHF receiver amplifiers with rechargeable batteries each with 2nd channel receiver module on the same channel,
2 x heavy duty tripod stands for Compact4,
1 collarworn microphone,
1 VHF transmitter belt pack,
1 hand held microphone
& 10 x PP3 alkaline batteries.

40SFXK22 **£ 1226.02** *each*

VAT

Typical SoundRanger wireless PA systems

VAT

Microphone options:

Although the below systems are supplied as standard with the microphones as shown, alternative styles of microphone are available and can be supplied for a small extra charge.

Handheld

Very easy and intuitive to use. Really good for questions from the floor or passing round a class but your arm may tire if using for long periods.

Collarworn

A collarworn microphone is a good compromise solution. They are light & easy to wear with no hygiene issues. Sound quality is good because the microphone is relatively near the mouth but it may need moving back into place from time to time.

Headworn

A headworn microphone gives the best possible sound quality. Positioned near to the mouth, sound is consistent and strong against the background room noise and they are the least prone to feedback. However, from experience, we know that there can be hygiene issues in a multi-user setting. Our advice would be, if you're going to be using headmics, you either need to have anti-bactericidal wipes to hand or budget for everyone to keep and use their own headmic.

Lapel microphone A lapel microphone (available but not shown here) can be used with a SoundRanger belt pack transmitter. For school use we do not recommend this option (hence why we do not show it). A lapel microphone can be used on a stage where the loud speaker faces towards the audience, away from the radio microphone; however in a school classroom setting where a teacher needs to be able to walk around the room, a tie clip mic rarely gives an acceptable performance.

For audiences of 50 people or more:

1 x Micro
1 x handheld radio microphone

Battery or mains powered.

40SFKW25B £ 178.50 *each*

For audiences of 100 people or more:

2 x Micro
1 x handheld radio microphone

Battery or mains powered.

40SFKW50B £ 286.50 *each*

For audiences of 150 people or more:

1 x Compact4
1 x handheld radio microphone

Battery or mains powered.

40SFK4A £ 518.50 *each*

1 x Compact4
1 x handheld radio microphone
1 x beltpack with collarworn radio microphones

Battery or mains powered.

40SFK4F £ 681.00 *each*

For audiences of 300 people or more:

1 x Compact 2M
1 x handheld radio microphone

Mains powered.

40SFK2MA £ 569.50 *each*

2 x Compact4
1 x handheld radio microphone

Battery or mains powered.

40SFK8A £ 966.50 *each*

1 x Compact 2M
1 x handheld radio microphone
1 x beltpack with collarworn radio microphone

Mains powered.

40SFK2MF £ 734.00 *each*

2 x Compact4
1 x handheld radio microphone
1 x beltpack with collarworn radio microphone

Battery or mains powered.

40SFK8F £ 1177.00 *each*

For audiences of 500 people or more:

1 x Compact 2M
1 x Compact 2X
1 x handheld radio microphone

Mains powered.

40SFK2MXA £ 698.50 *each*

1 x Compact 2M
1 x Compact 2X
1 x handheld radio microphone
1 x beltpack with collarworn radio microphone

Mains powered.

40SFK2MXF £ 863.00 *each*

VAT

SoundRanger Cable Microphone Systems

SoundRanger also have a range of wired microphone systems. A practical and economical alternative to a wireless radio microphone system and an effective way of preventing issues with channel limitations.

Below we list some of the most popular combinations of SoundRanger cable microphone systems. More options are available so if you can't find what you're looking for, please contact Robert Manwaring on RobertM@connevans.com.

1 x Micro amplifier (no radio receiver)

Suitable for audiences of approx. 50 people.

20 watts. Supplied with 1 x cable mic. (5m)

Rechargeable battery/mains powered.

Size: 288 x 160 x 180mm.
Weight: approx. 2.95kg

40SFKX25B £ 110.50 *each*

1 x Compact4 amplifier (no radio receiver)

Suitable for audiences of approx. 100-150 people.

40 watts. Supplied with 1 x cable mic. (5m) Rechargeable battery/mains powered.

Size: 380 x 190 x 340mm.
Weight: approx. 11kg.

40SFK4X £ 420.00 *each*

1 x Compact 2M amplifier + 2X extension speaker (no radio receiver)

Suitable for audiences of approx. 500 people.

70+ watts. Supplied with 1 x cable mic. (5m) and 1 x 15m lead to connect 2M and 2X. Mains powered (only).

Size: 310 x 190 x 340mm.
Weight: approx. 9kg.

40SFK120M £ 599.00 *each*

VAT

SoundRanger spares & accessories

SoundRanger VHF Receiver amplifiers

Micro VHF receiver/amplifier

20 watts, rechargeable battery/mains powered.

Size: 288 x 160 x 180mm.
Weight: approx. 2.95kg

40SFRPA20 + channel £ 127.40 *each*

Compact4 VHF receiver/amplifier

40 watts, rechargeable battery/mains powered.

Size: 380 x 190 x 340mm. Weight: approx. 11kg.

40SFC4 + channel with one radio mic receiver £ 448.00 *each*

40SFC4 + channels with two radio mic receivers £ 496.00 *each*

Compact 2M VHF receiver/amplifier

70 watts, mains powered

Size: 310 x 190 x 340mm. Weight: approx. 9kg.

40SF2M70M + channel with one radio mic receiver £ 499.00 *each*

40SF2M70M + channels with two radio mic receivers £ 549.00 *each*

Compact 2X wired extension speaker

– increases Compact 2M to 120 watts

Size: 340 x 190 x 308mm. Weight: 7kg.

40SF2X £ 129.00 *each*

Belt pack transmitter with microphone

SoundRanger belt pack VHF transmitter & collarworn microphone

Uses 9V PP3 battery (supplied).

40SFXMTC
£ 122.50 *each*

SoundRanger belt pack VHF transmitter & headworn microphone

Uses 9V PP3 battery (supplied).

40SFXMTH
£ 122.50 *each*

Handheld microphone

SoundRanger VHF handheld radio microphone transmitter

c/w 1 x PP3 battery

Length: 230mm. Weight: 257g inc battery.

40SFXMH £ 81.00 *each*

Please note that battery powered receiver /amplifiers can also be used on mains power whilst charging.

Frequencies *SoundRanger units are available on the following frequencies:*

Default unless otherwise specified – 173.8 MHz *(suffix A)*
174.1 MHz *(suffix D)*
174.5 MHz *(suffix B)*
175.0 MHz *(suffix C)*
174.8 MHz *(suffix E)*

We would not recommend using C & E near each other.

SoundRanger spares & accessories

VAT

SoundRanger wired dynamic handheld radio microphone transmitter

c/w stand clip
Cable length: 6m
Weight: 245g.
Manfr. part No. SM-B1

40SFXSMB1 **£ 20.00** *each*

SoundRanger Microphone holder

for 40SFXMH handheld transmitter.
Manfr. part No. SM-D20

40SFXD20 **£ 4.95** *each*

Zip pouch for handheld microphones

Nylon, for safe storage and transportation. *Size: 160 x 300mm.*

MZMMT40 **£ 5.85** *each*

External audio lead for beltpack

To connect to an iPod etc to send music wirelessly to your Micro, Compact4 or Compact 2M.
Length: 1.5m.

40SFXL1 **£ 15.98***each*

Batteries

Lead acid batteries

For SoundRanger Micro
12V 2.7Ah.

MBR12VLAMI
£ 29.25 *each*

For SoundRanger Compact4 or 2C
NP7-12 12V 7Ah YUASA

MBRNP712
£ 15.42 *each*

Stands

Tripod speaker stand

for Compact4, 2M & 2X

MX180184
£17.85 *each*

Black microphone stand with boom arm

for Micro or microphone.

May be used without boom arm as a straight stand.

MX180040
£ 21.80 *each*

SoundRanger belt pack VHF transmitter *(exc. mic.)*

Uses 9V PP3 battery (supplied).
Size: 100 x 60 x 18mm. Weight: 115g.
Manfr. part No. RMT-103H

40SFXMT4 **£ 66.00** *each*

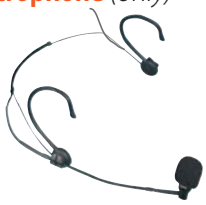
SoundRanger collar worn microphone *(only)*

for the SoundRanger belt pack transmitter (above).
Length: 650mm excl. lead.
Lead length: 790mm. Weight: 70g.

40SFXMUC **£ 56.50** *each*

SoundRanger lightweight headset microphone *(only)*

for the SoundRanger belt pack transmitter (above).
Lead length: 1m. Weight: 28g.
Manfr. part No. RMU-53HN



40SFXM53HN **£ 56.50** *each*

Carrying cases

Carrying bag for Micro VHF

with shoulder strap.
Size: 310 x 205 x 180mm.

40SFXCMCE
£ 28.50 *each*

Carrying bag for Compact4 or 2C

with lift up front flap for speaker output and side compartment.

40SFXSCC3
£ 88.69 *each*

Carrying bag for mic stand

length 1.1 metre.

MX180010
£ 8.10 each

Carrying bag for two speaker stands

with 2 inners.
Size: 1230 x 270 x 255mm.

MX180012
£ 9.83 each

Micro to Connevans tx connection kit

to rebroadcast classroom sound:

For fmGenie radio aid transmitters
FMG82 **£ 28.70** *each*

Wideband versus narrowband radio equipment

A wideband **VHF** radio system, such as SoundRanger, can affect approximately 5 narrow band VHF channels – the centre narrow band channel plus 2 either side. Our advice is that wideband VHF radio microphones should be introduced with care to a site where narrow band VHF radio aids for deaf people are being used – eg fmGenie & MLxi.

Digital Personal Waistband Voice Amplifier – WAP-7D

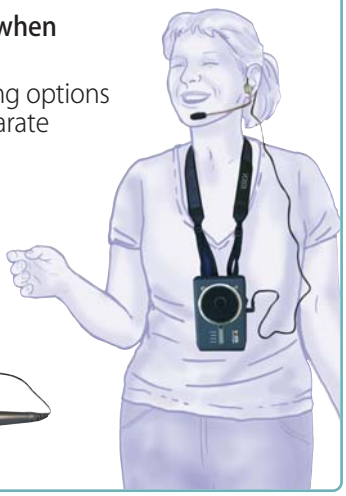
A clever digital amplifier that can help to reduce voice strain, and improve intelligibility, when talking to a group, although it is not a replacement for a soundfield system.

The pocket sized WAP-7D is supplied with a wide range of accessories offering several wearing options and including both a lightweight headmic and a hand-held microphone. Also features a separate 3.5mm socket for an external audio signal from a CD player, iPod etc.

Supplied with: 1 electret headband microphone, 1 miniature electret microphone, 1 digital WAP-7D active speaker, 1 microphone extension cable, 1 line connection cable, 1 plug-in charger, 1 carrying belt, 1 neckband and 1 transport bag.

Supplied with built-in NiMH rechargeable battery and UK mains power supply.

VAT



MZMWAP7D Digital Waistband Amplifier £ 114.60 *each*

To view our full range of personal voice amplifiers please visit www.connevans.co.uk and enter 'WAP' in the search site box.

Megaphones

Megaphones and Loud Hailers are an ideal aid for schools, evacuation control, sporting events, PE lessons etc.

We have an excellent range of value for money megaphones and have a product to suit most situations – from extra large 45 watt wireless megaphones, ideal for large scale events needing maximum volume (such as Sports Day) to a little 5 watt fun megaphone; suitable for indoor use; great for health and safety & building evacuation control.

Below we list a selection of products – for our full range of megaphones – please visit our specialist micro-website:

www.MegaphoneShop.co.uk

Note: with the exception of the small lightweight megaphone, these loud hailers are designed to be used in wide open spaces, and will not perform as well in enclosed environments.

Small lightweight 5w megaphone

A compact lightweight, but powerful megaphone – ideally suited for small scale events and crowd control.

Size: 235 x 150mm dia. Weight 630g. Requires 6 x AA batteries (not supplied)

MX952003

Qty 1	£ 17.85 *each*
Qty 2-4	£ 16.96 *each*
Qty 5+	£ 13.84 *each*

VAT

30W megaphone with siren

A powerful 30W megaphone with siren, shoulder strap and remote microphone. Excellent value for money.

Size: 340 x 230mm dia. Weight 2kg ex. batt. Power: 8 x D batteries (not supplied)

MX952019

Qty 1	£ 25.73 *each*
Qty 2-3	£ 24.44 *each*
Qty 4+	£ 21.53 *each*

VAT

Blue megaphone 25W with siren and remote microphone

A powerful and durable 25W megaphone with a high quality anti feedback microphone.

Size: 335 x 230mm dia. Weight 1.65kg ex. batt. Power: 8 x C batteries (not supplied) or 12vdc external power

MX952016

Qty 1	£ 44.10 *each*
Qty 2-3	£ 41.90 *each*
Qty 4+	£ 37.13 *each*

VAT

Heavy duty 20W megaphone

Ideal for those wanting a robust and strong megaphone. Supplied with adjustable shoulder strap & cigarette lighter plug for external 12vdc operation.

Weight 1.85kg ex. batt. Power: 8 x C batteries (not supplied) or 12vdc external power.

MX952128

MX952128 *Size: 340 x 220mm dia.*

Qty 1	£ 59.85 *each*
Qty 2-4	£ 56.86 *each*
Qty 5+	£ 49.95 *each*

MX952125

MX952125
with remote hand-held microphone
Size: 370 x 220mm dia.

Qty 1	£ 68.25 *each*
Qty 2-4	£ 64.84 *each*
Qty 5+	£ 56.70 *each*

VAT

School Hall soundfield systems

The school hall is usually a focal point in the life of a school. It is used daily for lessons and assemblies and throughout the year for important events such as plays, concerts and open days.

With a Connevans Hall Sound system, everyone in the hall (teachers, students, parents and guests) will hear clearly – giving you a clear advantage!

Why choose a hall soundfield system?

- Everyone in the hall will be able to hear the person presenting...all of the time
- Great sound will impress parents, prospective parents and visitors at school events
- To make the most of the hours of preparation for assemblies put in by staff and children
- To encourage participation from even the shyest children in performances

Who do soundfield systems help? Everybody!

It is important to get the correct system for your school so we'll come to you to discuss your requirements and give advice – free of charge!

Completely flexible systems
– we offer a range of speakers and a choice of microphones

Speakers:
4, 6 or 8 professional JBL speakers, large or small, black or white

Number of microphones:
2, 4, 6 or 8 Trantec wireless radio microphones

Type of microphones:
Head worn, collar worn, or handheld radio microphones

Customise with add-on features
– add connections to your existing equipment

Add in: single or twin CD player iPod dock, MP3 player or induction loop amplifier

Connections to:
plug in your iPod, laptop or projector

Re-broadcast:
use with all types of Radio Aids for children with a hearing loss

It's easy! Connevans have years of experience – we are the experts!

On the day, our highly trained and experienced staff install everything for you. We show you how to use the system and you have our promise, it's all very easy.

Please feel free to contact us with any questions you have about Soundfield systems, either via email – **soundfield@connevans.com** or call us on 01737 247571 and talk to one of our Soundfield Team.

Phil Boswell, Robert Manwaring, Richard Vaughan and John Popplestone

Just call or email us and we will arrange a convenient time to visit you

Our most popular system

The SYS26 series is our most popular hall soundfield.

The system is installed in a sturdy wall-mounted cabinet with 6 white speakers.

Most people choose to include a CD/USB player and 4 radio microphones inside the cabinet.

A typical SYS26 hall system...

Lockable cabinet mounted on the wall with built in connection panel, storage drawer and audio mixer

2 x radio microphones with belt pack and collarworn microphone

6 x white speakers mounted high on the wall around the hall

2 x handheld radio microphones with floor stands

Delivery and Installation in your hall

CD/USB player installed in the cabinet

plus all the connecting leads, batteries, & chargers you'll need to use the system

For full details, see page 112

...all for a fantastic £3960! (+ VAT)

Suitable for...

Assemblies

School productions

Prizegiving

Parents Evening

Hiring out to local clubs

We have standard packages which will suit many situations – we are also able to apply our expertise to create a bespoke package to suit your school's requirements.

Do you use your hall in different configurations?

For complete flexibility, we can supply your hall soundfield system in a wheeled cabinet.

We install two connection points in your School Hall (usually one at each end!) so the system can be operated from different places, depending on how your assembly is planned.

Then when the event is over it can be easily disconnected and kept safely in a storeroom.

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Connevans
Email sales@connevans.com
Information www.connevans.info
Telephone 01737 247571
Shop online www.DeafEquipment.co.uk

Fixed hall sound systems comparison chart

VAT

	SYS10	SYS20 series				SYS30 series		
		SYS26			SYS28	SYS34	SYS36	SYS38
JBL speaker options Control 1 Speech & background music *Speaker size: 235 x 159 x 143mm* Control 5 Speech & music to disco level *Speaker size: 387 x 251 x 225mm*	 x1 x1	 x1 x1	 x2 x2	 x1 x6 x1	 x1 x1	 x2 x2		
Max. recommended hall size	15 x 20m				18 x 25m	15 x 20m	20 x 25m	20 x 30m
Sound level	Speech & general background music					Speech & music up to 'disco' level		
Lockable cupboard	*no, freestanding*	yes				yes		
Internal drawer	*no*	yes				yes		
Standard cupboard size in mm (width x depth x height)	*n/a*	12U 600 x 500 x 640	15U 600 x 500 x 775	18U 600 x 500 x 910	12U 600 x 500 x 640	15U 600 x 500 x 775		
Belt pack transmitter with collarworn microphone	1	1	2	1	1	2		
Handheld radio mic	1	1	2	1	1	2		
Belt pack transmitter with headworn microphone	optional	optional	optional	6	optional	optional		
Single deck CD with USB	optional	optional	included	included	optional	included		
Dual deck CD with USB	optional	optional				optional instead of single deck CD with USB		
CD/DVD player	optional	optional				optional instead of single deck CD with USB		
Line level auxiliary inputs	3	2				1		
Pull out tray for laptop	*n/a*	optional	optional	yes	optional	optional		
LED twin lamp unit	*n/a*	optional	optional	yes	optional	optional		
Induction loop	optional	optional						
Integral radio aid transmitter	optional	optional						
Speakers – see above	6 x JBL Control 1	6 x JBL Control 1			8 x JBL Control 1	4 x JBL Control 5	6 x JBL Control 5	8 x JBL Control 5
White speaker option	yes	yes				yes		
Installation included	yes	yes				yes		
Part number	40SYS16WA011	40SYS26WDA011	40SYS26WED022	40SYS26WFG611	40SYS28WDA011	40SYS34WED022	40SYS36WED022	40SYS38WED022
Cost each	£2255	£ 3010	£ 3960	£ 6065	£ 3210	£ 4410	£4910	£ 54150

All prices exclusive of S&OP and VAT

Easy to use audio mixer

The mixer unit we have chosen to use in our Connevans SYS20 & SYS30 series hall sound systems does not require a qualified sound engineer!

6 audio inputs – 6 controls

Security

– lockable equipment cabinet with a drawer unit.

Flexibility

– modular racking system allows future equipment additions

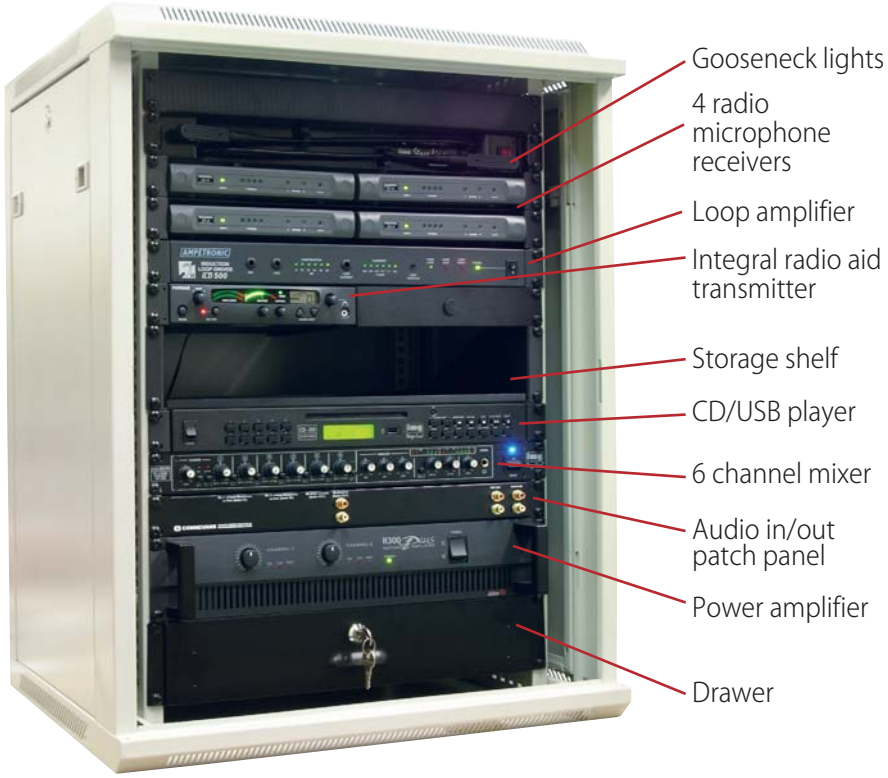
Professional

but not over complex

This picture shows a wall cupboard with its door fitted and closed. The aerials are for the radio microphones.

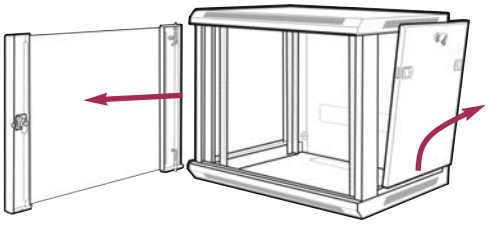
Contents of the rack mounted unit

The example 15U cupboard below has had its door removed.



The rack cupboards that we supply have a removable door (once unlocked) for ease of operation during an intensive period of use, such as a show, and removable side panels for ease of maintenance.

Standard rack system



Our SYS20 & SYS30 series hall systems are based around an industry standard 19" rack system – you get no bonus points for guessing that the equipment panel mounting width is 19".

There is also an easy to follow system for the height of equipment in the cupboard: these heights are measured in 'U' units (1U is 1¾" or 45mm).

A SYS20 is usually fitted in a 12U cupboard and the SYS30 into a 15U.

Therefore a 12U rack mount unit has panel height of 21" and a 15U a panel height of 26¼".

All of the items fitted into the rack cupboard are screwed to the vertical front runners, including panels, shelves, amplifiers etc. The overall system is very flexible and makes it easy to provide bespoke configurations with additional components such as a CD/USB player, graphic equaliser, loop amplifier or more radio microphones. Often a larger cupboard is requested to allow space for future expansion of the system.

Overall size of rack mount cupboards: width = 600mm, depth = 500mm. 12U height = 640mm, 15U height = 775mm, 18U height = 910mm.

SYS20 series – Installed sound system suitable for speech and general music

Includes 2 radio microphones

Wall mounted system with 2 UHF radio microphones with the equipment fitted in a smart 12U lockable wall mounted cupboard.

The sound level and quality are suitable for speech, general music and school plays.

12U

Speaker dimensions: 235 x 159 x 143mm.

Includes:
Lockable wall mounted 12U 19" rack mount unit with 2U drawer, storage shelf,
2 x UHF radio microphones (1 collarworn microphone, 1 handheld), 1 x boom microphone stand,
1 x mixer, 1 x amplifier, 1 x patch panel,
wall mounted JBL Control 1 speakers,
cable, connecting leads, 4 x rechargeable PP3 batteries,
1 x intelligent dual PP3 charger, 1 AV Convention pack,
1 x Connevans radio aid connection pack
& Installation– *see notes on page 114.*

SYS26 – 6 speaker system for a hall of up to 15 x 20m

40SYS26BDA011 Black speakers **40SYS26WDA011** White speakers
£ 3010.00 *each*

SYS28 – 8 speaker system for a hall of up to 18 x 25m

40SYS28BDA011 Black speakers **40SYS28WDA011** White speakers
£ 3210.00 *each*

VAT

SYS20 series hall soundfield systems with enhanced facilities to suit your needs and budget are available. We show three examples, but if you would like a different number of radio microphones etc. please contact Phil or Robert in Customer Services.

SYS26 *with...* 4 radio microphones and a CD/USB player

6 speaker system for a hall of up to 15 x 20m

Contents as per SYS26 but with a CD/USB memory stick player and a total of 4 radio microphones – inc 2 handheld & 2 collarworn, 2 mic floor stands all in a 15U wall cabinet.

40SYS26BED022 Black speakers
40SYS26WED022 White speakers
£ 3960.00 *each*

VAT

SYS26 *with...* 8 radio microphones, CD/USB player, pull out laptop tray and LED light unit

6 speaker system for a hall of up to 15 x 20m

Contents as per SYS26 but in an 18U cabinet with a CD/USB memory stick player and a total of 8 radio microphones – inc 1 handheld, 1 collarworn & 6 headmics, 1 floor stand, 12 mixer channels, pull out laptop tray, LED lamp unit all in a 18U wall cabinet.

40SYS26BFG611 Black speakers
40SYS26WFG611 White speakers
£ 6065.00 *each*

VAT

The mixer has 6 inputs (all accepting either balanced mic or stereo line aux inputs for TV, CD etc.) There is a 3 way equaliser for overall tone adjustment. The 19" rack unit has spare capacity to accept additional radio microphones and/or CD player etc. (See pages 111 and 116)

Black or white speakers available with all systems.

SYS26 – in a freestanding wheeled cabinet

For complete flexibility, we can supply your hall soundfield system in a wheeled cabinet. A system which can be connected and operated from different places in your School Hall then, when the event or assembly is over can be easily disconnected and stored safely in a storeroom.

This cabinet on wheels has a removable cover. There is a simple to use 6 channel mixer to control your radio microphones as well as the opportunity to plug in your laptop or iPod etc. Normally we would install two connection points for the speakers – usually at the front and the back of the school hall (please note that mains power is required at each speaker connection point).

The system can be connected and used at either of the speaker connection points, depending on how your performance or assembly is planned. There is also the option to 'rebroadcast' the mixed sound to any deaf students, via their own personal radio aid equipment.

6 speaker system for a hall of up to 15 x 20m – supplied in wheeled cabinet

Contents are exactly as per our SYS26 wall mounted/fixed system, in a 12U wheeled cabinet.

The wheeled system has a 3 metre speaker connection lead and mains extension lead.

40SYS26BWA011 Black speakers
40SYS26WWA011 White speakers
£ 3195.00 *each*

VAT

12U

Speaker dimensions: 235 x 159 x 143mm.
Closed wheeled cabinet size: 715 x 545 x 725mm.

At Connevans we love a challenge...

We pride ourselves on being able to offer you a soundfield system to suit your needs – so whether you want a CD/USB player, more radio microphones, a more complex mixer or perhaps, as one customer specified, waterproof speakers for installation in an outside courtyard – please do talk with us.

Waterproof speakers for an outdoor courtyard

Multichannel advanced hall systems – ideal for music & drama, concerts or even the village panto!

(Thanks to local drama group POSE for the photo!)

SYS30 series – Installed enhanced sound system for more flexible use

Includes 4 radio microphones

This package offers higher specification and sound quality JBL Control 5 speakers for excellent speech reproduction and music to disco level.

A wall mounted system including 4 UHF radio microphones, a CD/USB memory stick player all fitted in a 15U cabinet.

Includes:
Lockable wall mounted 15U 19" rack mount unit with
2U drawer, storage shelf,
4 x UHF radio microphones
(2 collarworn microphone, 2 handheld),
2 x boom microphone stands,
1 x amplifier, 1 x mixer, 1 x patch panel,
1 x CD/USB memory stick player,
Wall mounted JBL Control 5 speakers,
cable, connecting leads, 8 x rechargeable PP3 batteries,
2 x intelligent dual PP3 chargers, 1 AV connection pack,
1 x Connevans radio aid connection pack
& Installation– *see notes below.*

SYS34 – 4 speaker system for a hall of up to 15 x 20 m

40SYS34BED022 Black speakers
40SYS34WED022 White speakers
£ 4410.00 *each*

SYS36 – 6 speaker system for a hall of up to 20 x 25 m

40SYS36BED022 Black speakers
40SYS36WED022 White speakers
£ 4910.00 *each*

SYS38 – 8 speaker system for a hall of up to 20 x 30 m

40SYS38BED022 Black speakers
40SYS38WED022 White speakers
£ 5410.00 *each*

VAT

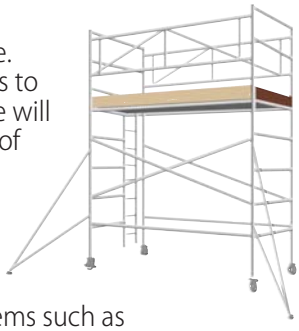
The 8 speaker system can also be used as two 4 speaker groups to cover two areas, such as dividable halls, with separate volume control for each area.

The mixer in the SYS30 series is the same as supplied with the SYS20 series and has 6 inputs (all accepting either balanced mic or aux or stereo line aux inputs for TV, CD etc.). There is a 3 way equaliser for overall tone adjustment.

Speaker dimensions: 387 x 251 x 225mm.

White or black speakers available, please specify when ordering

Hall soundfield installation notes



Note 1. The package price includes installation but does not include alteration to mains wiring, i.e. there needs to be a switched double 13Amp socket adjacent to where the rack mount wall unit is to be installed. The wall unit requires sturdy wall fixing and thoughtful and safe siting so that people will not walk into it but so that is still convenient to operate. Please talk with us should you be aware of any potential problems so we may tailor a package and installation accordingly.

Note 2. For health and safety reasons, a safe scaffold tower is required during installation. Many halls already have a suitable tower for changing light bulbs and routine maintenance – if an appropriate height tower is not available there is an additional charge for providing one.

Note 3. Clear site access is required from 8am to 6pm with power available. Please ensure that items such as gym equipment or temporary staging have been cleared away prior to the day of installation. Unfortunately, time is money and an additional charge will be made if our installers have delayed access or are asked to clear the hall for lunch!

SYS10 Installed sound system suitable for speech and general music

Free standing system suitable for speech, general music and school plays. Includes 2 UHF radio microphones – this system has the same sound quality as a SYS20.

For a hall of up to 15 x 20 metres.

This system has a free standing mixer amplifier for easy installation onto an existing shelf or in a walk in cupboard.

Includes:
1 x mixer amplifier, 2 x UHF radio microphones (1 collarworn microphone, 1 handheld), 1 x boom microphone stand, 6 x Wall mounted JBL Control 1 speakers, cable, connecting leads, 4 x rechargeable PP3 batteries, 1 x intelligent PP3 charger, 1 x Connevans radio aid connection pack, 1 AV connection pack, & Installation – *see notes below and page 112.*

40SYS16BA011 Black speakers **40SYS16WA011** White speakers VAT
£ 2255.00 *each*

The mixer amplifier has 8 inputs (7 balanced mic inputs inc 3 line inputs for TV, CD etc. + phono) Each input channel has individual adjustment for tone and level. There is also an overall tone adjustment using a simple graphic equaliser. Additional equipment may be easily connected (see info on page 116). *Speakers: 235 x 159 x 143mm.*

SYS10 Installation notes

The package price includes installation but does not include alteration to mains wiring. ie there should be 2 switched double 13Amp sockets adjacent to where the amplifier is to be used. (We do include a short mains 4 way block with the equipment however 2 wall mounted double sockets are preferable).

This system requires an existing shelf or cupboard. The mixer amplifier is 260 x 480 x 350mm and weighs approx 17Kg. Assuming you wish to have the battery charger beside the mixer amplifier, a sturdy shelf 700 x 360mm is required, capable of taking a load of 20Kg. The radio microphone receivers are usually placed on top of the mixer amplifier so a total clearance of 520mm is required. The charger could of course be used elsewhere if more convenient and it is worthwhile considering where you will store the transmitters.

White or black speakers available, please specify when ordering

Attractive additions for hall soundfield systems

Increasingly, schools use their halls as an income stream, hiring them out after school and at weekends for use by local groups. A good soundfield audio system will prove an attractive feature when people are considering hiring your hall. Ideal for popular activities such as adult education, dance classes & bingo(!), the benefits of your sound system will allow you to offer a premium service to users, which in many cases means that the equipment ends up paying for itself!

Induction loop option

DDA

DDA compliance is important for any public building.
Including an integrated 'T' loop induction system for use by visitors with hearing aids is a good option to add to any hall soundfield to help you meet your requirements.

The additional cost for a hall loop system is approx **£ 1400**, including installation and the integration of the loop amplifier within the hall soundfield rack mount unit.

Please contact Robert with any questions you may have about loop systems on 01737 247571 or email RobertM@connevans.com

Phonak TX-300V mains powered radio aid transmitter

WARRANTY 2 YEARS

The high power TX-300V fm radio transmitter from Phonak will cover large areas such as school halls, auditoriums, lecture rooms, places of worship, town halls, cinemas, theatres, sports venues or other public places. Perfect for any facility with a capacity of over 50 people.

The TX-300V is ideal for school halls where students use fm Radio Aids.
The TX-300V is compatible with all Phonak and Connevans fm radio aid receivers.

Where the TX-300V is to be used in situations such as a theatre or cinema where most people would not have their own receivers, we would recommend purchasing Phonak MyLink+ receivers. These are universal fm receivers which will work with all hearing instruments with a 'T' coil and can be used with standard headphones for non-hearing aid wearers. These are very simple to use and convenient for loaning to visitors.
For more information about MyLink+ receivers, please see **www.connevans.co.uk/Phonak**

TX-300V fm transmitter

Supplied with UK mains power supply, 1 dipole antenna, 1 wall mounting assembly & 1 antenna cable.

3PTX300 £ 800.00 *each* VAT 2

Phonak MyLink+ receiver & headphones

Supplied with UK mains charger.

3PMYLINKPH £ 195.00 *each* VAT 2

Collarworn microphones for Trantec

VAT

For use with a Trantec beltpack transmitter.
This collar worn microphone is easily shaped to suit the user.

Collar mic with 3.5mm lockable screw plug

For current S4.4 & S4.16 transmitters

48TSCOL44 £ 66.00 *each*

Collar mic with lemo plug

For previous S4.5 & S4000 transmitters

40SFAMICT £ 66.00 *each*

Headworn microphones for Trantec

VAT

With 3.5mm lockable screw plug – for use with current S4.4 & S4.16 Trantec beltpack transmitters.

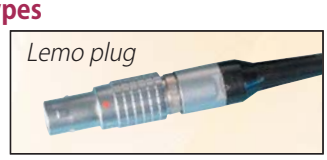
Aerobic headworn mic (3.5mm plug)

48SJ66 £92.65 *each*

Lightweight hi-quality headworn mic (3.5mm plug)

48SJ22BK Black
48SJ22BE Beige
£ 141.91 *each*

Trantec microphone plug types



Spare Trantec Beltpack Tx aerial

VAT

Replacement aerial for Trantec beltpack transmitters.

For current S4.4 & S4.16 transmitters
- 830-865MHz
48SA44L £ 16.79 *each*

For current S4.4 & S4.16 transmitters
- 606-638MHz, channel 38
48SA44LG £ 16.79 *each*

Spare Trantec Handheld Tx aerial

VAT

Replacement aerial for Trantec handheld transmitters.

For current S4.4 & S4.16 transmitters – 830-865MHz
48SA44M £ 16.79 *each*

For current S4.4 & S4.16 transmitters – 606-638MHz, channel 38
48SA44MG £ 16.79 *each*

Protective cage

To protect speakers when fitted in sports halls, etc.
To fit over JBL control 1 speakers.
Size: 320 x 347x 260 mm.
40SFA01 £ 29.50 *each* VAT

Rack mount CD & MP3 units

The front panels of these units incorporate 19" rack mount brackets. Please note that additional items such as connecting leads, fixing screws etc. will be required.

Stageline CD player

A robust easy to use single deck CD player & USB port suitable for intensive daily use, plays audio CD/CD-R. Height: 2U.
Supplied with infra red remote control.

MZMCD156 £ 132.22 *each* VAT

CD player with USB interface

Professional quality CD player with USB storage media player (supports WMA and ID3 tags) and SD/MMC Card slot. Audio CD/CD-R/CD-RW/MP3 CD. 19" 1U rack installation.

Supplied with infra red remote control.

Available as single or twin unit

1 x CD & 1 x USB	MZMCD112	£ 205.83 *each*	VAT
2 x CD & 2 x USB	MZMCD122	£ 310.06 *each*	

Twin unit shown

Lights

VAT

LED lamp unit – 2 LED gooseneck lights in a 19" 1U rack mount unit.
Includes separate on/off switch.

MZMSDC202LED
£ 57.30 *each*

Presentation Lecterns

Connevans is able to supply a range of lecterns (standard or bespoke) which are great for use in school halls.
Please contact Phil, Robert or John for more information

A range of radio microphone systems supplied 'Racked 'n' Ready' to use – ideal for schools, amateur dramatics, churches and audio-visual companies.

Easily transportable between halls or other venues and ready to plug into an existing PA system.

Trantec's Racked 'n' Ready systems will enable you to run up to 8 channels simultaneously at a price you will find hard to match. These systems are delivered ready set up and tested so you simply need to plug it into the power supply and connect to the PA system – and you're ready to go!

Built into a robust flight case, they are neat to store, easily portable and ready to use at a moment's notice. Systems are available in a variety of sizes, allowing you to select the number of microphones you require. These systems are great for use in school productions or concerts as they allow you to have a large number of microphones and they are easy to operate.

As these systems will be configured to your specific requirements, please allow around a week for delivery.

Please contact Robert with any questions you may have about Trantec systems on 01737 247571 or email RobertM@connevans.com

Microphone Options

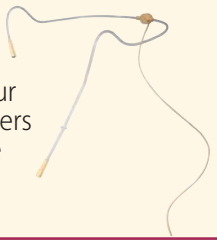
All the systems below are available as standard with either beltpack & lapel or handmic transmitters in any combination you desire – at no extra charge!

Beltpack and LP2 lapel mic

Dynamic handheld mic

SJ22 headworn mic

If you would prefer to use headmics with your beltpack transmitters these are available for purchase separately.



S4.16 Racked 'n' Ready radio microphone systems

VAT

Fully assembled package of S4.16 radio microphone systems with ADU, PSU and Flight Case.

Package includes: 4.16 receivers, 4.16 transmitters in any combination of handheld or beltpack (includes LP2 lapel microphone), antenna (and/or antenna distribution unit where appropriate on larger systems), rack mounting trays, power supply allowing 1 single cable for assembled rack.
Please specify microphone transmitters required.

S4.16 with 4 radio mics

S4.16 with 8 radio mics

S4.16 Racked 'n' Ready with 4 radio mics

4 x S4.16 systems supplied in a 4U flight case.
Trantec part No. S4.16L-G3-RACK-4W
48S4WR4 **£ 1572.59** *each*

S4.16 Racked 'n' Ready with 6 radio mics

6 x S4.16 systems supplied in a 4U flight case.
Trantec part No. S4.16L-G3-RACK-6W
48S4WR6 **£ 2275.88** *each*

S4.16 Racked 'n' Ready with 8 radio mics

8 x S4.16 systems supplied in a 5U flight case.
Trantec part No. S4.16L-G3-RACK-8W
48S4WR8 **£ 2978.27** *each*

Please visit www.connevans.co.uk for full technical specifications of all these systems.

Racked 'n' Ready systems are also available with a remote antenna kit. These have 'remote' aerials on floor stands with 10m (approx) of cable. Do you need this option? As a guide if you are to be working in a hall where the equipment will be sited on or near the stage then you do not require this remote kit – conversely if the sound room is a separate room at the back of the hall, perhaps with lots of metal around, then yes you do need the remote antenna kit – *we hope this helps you.*